

REPEATER JOURNAL



CAROLINAS - VIRGINIA REPEATER ASSN. INC

NOVEMBER, 1979

ORGANIZED 1971

VOLUME 8, NO. 4

REPRESENTING UHF-VHF INTERESTS THROUGHOUT
NORTH CAROLINA, SOUTH CAROLINA & VIRGINIA

"IN OUR 8th YEAR"

TENN. VOTES YES!



W4BFB SETS RECORD—Cover Story

KENWOOD'S TR-2400

...synthesized, BIG LCD,
10 memories,
scanning...and more!

Kenwood TR-2400...It's a synthesized 2 meter hand-held transceiver...the answer to any Amateur's operating requirements! Its many advanced features include:



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- Subtone switch (subtone module not Kenwood-supplied)
- BNC antenna connector
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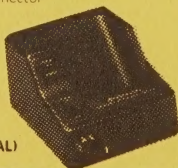
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ST-1 BASE STAND (OPTIONAL)



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REPEATER JOURNAL



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NOVEMBER 1979

"IN OUR 8th YEAR"

VOLUME 8, NO. 4

EDITORIAL COMMENT

TENNESSEE COMING INTO THE FOLDS

I received the welcome letter from O. D. Keaton, WA4GLS, SCM of Tennessee the first week of October. It read: Dear Wayne: "This is to inform you that the Amateurs of Tennessee OVERWHELMINGLY voted to join the CVRA; therefore we shall proceed in making this come to pass."

This was most welcome news, for years the CVRA has been working closely with our friends in Tennessee in coordination. The Journal has carried news about the State to keep us informed as to what they were doing. Fortunately Tennessee is in very good shape as far as coordination is concerned with few major problems between repeaters within their state and with repeaters in bordering states. Now with their coming into the folds of the CVRA, it is hoped they can continue to do the good job that the regional coordinators have done in the past.

The first steps for Tennessee, now that the decision is made to officially come into the CVRA as a District, is to get many repeaters to sign up for 1980

Continued on Page 10

1980 MEMBERSHIP GOALS SET

Each Associate member of the CVRA can be of great assistance in new membership in our organization. If every member we had could bring in ONE new member we could double membership almost immediately, naturally everyone would not participate in such a plan, so others will have to work a little harder.

As the organization grows in membership, our potential strength grows. We get fresh new blood into the group who can give new ideas and set new directions for us.

We are like any other club . . . you've seen the difference in activities of your own hometown club when a group of new Amateurs join the ranks. Generally they are your best workers and very dedicated. We have the same situation in the CVRA. We need new members to continue things, to improve things.

You might ask, what difference does it make how many members the CVRA has? (1) More members provide the needed clout in cases of settling

Continued on Page 36

ORGANIZED 1971

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ON THE COVER

Several Members of WB4FB strain to raise one of several towers they use on Roan Mt. for the Sept. VHF QSO Party. Photo Ervin Jackson.

"The REPEATER JOURNAL" is published four times each year in the months of February, May, August, and November, for members of the Carolinas-Virginia Repeater Association. Permission is granted for quoting from the "REPEATER JOURNAL" provided credit is given. The CVRA will swap newsletters with other Repeater Councils and News Organizations on request. The "REPEATER JOURNAL" has a circulation of 3,000 copies and is entered as Third Class Mail at the Post Office in Burlington, N.C. 27215. The CVRA mailing address is: CVRA, P.O. Box 3325, Burlington, N.C. 27215.

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TENNESSEE VOTES YES! AMATEURS TO JOIN CVRA

-by O. D. Keaton & Wayne Williams

Amateurs in Tennessee voted overwhelmingly yes to join the ranks of the Carolinas-Virginia Repeater Association. The vote was tabulated from a questionnaire sent out by O. D. Keaton, WA4GLS, SCM for Tennessee.

Keaton said: "In balloting of the Amateurs and the Tennessee Frequency Coordinating Committee in the Tennessee Section in an affirmable manner, I am recommending that The Tennessee Section become a District of the CVRA. I believe your action is the correct one and that the Repeater compliment of Amateur Radio in Tennessee will be enhanced. You are urged to join (the CVRA) immediately in order to qualify to participate in the selection of the officers to serve for the first term, we want to be able to select the most capable, conscientious and dedicated leaders available. On behalf of the Repeater owners and operators of the Tennessee Section I want to express our appreciation to the CVRA for making this possible."

Repeater owners in the Tennessee area, should send their Full Membership Applications (supplied by the SCM) along with \$8.00 full membership fee to the CVRA Full Membership Director, Bill Page, WB4LWX, P.O. Box 871, Kinston, N.C. 28501. The \$8.00 will make them eligible immediately and through the 1980 calendar year.

Tennessee repeater users wishing to join the CVRA as Associate Members should send their Ap-

plications with \$3.00/year to CVRA, P.O. Box 3325, Burlington, N.C. 27215. Applications are available from your SCM, various clubs and other individuals who have gotten a package of them. If you cannot get an application, on a piece of paper, include your full name, address, call, and phone number. Your home repeater Call and whether or not you are a member of ARRL.

The February Journal will feature a special Tennessee section. Clubs and repeater groups and correspondents are urged to send news in so their area will be covered in the news special. Send news to the Editor of the Journal, or Bob May, K4SE.

CVRA ANNUAL MEET FRUITFUL

-by Charles Durst, WA4WTX

The annual meeting of the CVRA was held on Saturday, September 1, at the Governor's Inn in Shelby in conjunction with the Shelby Hamfest. The meeting was well-attended by CVRA officers and directors, ARRL officials, and others with interest in CVRA activities. Attendance was lacking only in the area of associate members as very few attended.

Reports were heard from the officers and directors. Basically all is well within the Association. Requests for new repeater frequencies have declined (it's about time!); there is only one major frequency usage conflict and efforts are being made to resolve it; and the Association's financial condition is sound.

According to the Bylaws of the Association, officers are to be elected now for 1980-1981. The offices of President, Vice-President, Secretary, and Treasurer will be filled. A nominating committee, made up a repeater representative from each state, will nominate a candidate for each office. Carl Presler, W4LPL, of Fayetteville, N.C., is the chairman of the nominating committee. Al Harney, WB4URY, of Columbia, S.C., is also on the committee. A committee member from Virginia has not yet been identified.

Nominations are requested from the membership. Signatures of five repeater representatives are required to place a repeater representative in nomination for an office. Nominations must be sent to the Secretary, Paul Marsha, K4AVU, in Columbia by Nov. 30. The Secretary will send ballots to all repeater representatives to vote on offices with more than one nominee. Unopposed candidates will be declared elected by the Board of Directors. The two-year term of the new officers will begin January 1, 1980.

Associate membership is down from last year. If all members would get just one new member, our growth would be fantastic. Ask your friends if they are members, and if not, sign them up.

FCC ENFORCEMENT OFFICE

According to reliable sources, the CVRA Journal has learned that the FCC is planning to establish Enforcement offices across the nation in key cities.

The office for this area is supposed to be in Greensboro, N.C. In the office the source said, will be an office person, a manager and a couple of field men.

The reason for the local enforcement offices is said to be able to cooperate with people on a local level, handle complaints and problems in the area in which the office is located.

The FCC has let it be known over the past few months that they are trying hard to get information and communications lines to the public open and to work closer with people who need services from the Commission. Much telephone use is evident now, instead of letters to speed answers to questions by amateurs and individuals.

JOURNAL READERSHIP

Did you know that the CVRA JOURNAL is sent to your Congressmen and Senators, on the State and National level? Several FCC offices, various ARRL, and National magazine editors also get the Journal. Over 100 other key Amateurs, clubs, Repeater councils and organizations across the United States also read the CVRA JOURNAL.

N. C. INCREASES HAM TAG COST BY 250% — AMATEURS MAD!!

In a very unannounced act, the North Carolina General Assembly socked it to the Amateur Radio operators with a whopping 250% increase in the cost of making Amateur Call-letter plates for automobiles. The price went from \$4.00 to \$10.00 for making the tag, then the normal \$16.00 on top of that. The General Assembly in quick action, to "bring all special type license tags in line", amended General Statute 20-81.1 to increase the cost of ALL special plates.

Lewis P. Wilson, Assistant Commissioner of the Division of Motor Vehicles for N. C. said "We feel this increase was justified due to the increased costs in special handling and processing. Other factors we had to consider were the increased cost of material and labor involved in manufacturing special plates."

Rae Everhart, K4SWN of Lexington, and Betty and Carl Pressley, of Fayetteville have been conducting campaigns to get amateurs together to try to amend the statutes for next year since it is too late to do anything this year about 1980 plates.

Everhart told the Journal, "I would urge every Amateur who wants call-letter plates to voice his N.C. representative and Senator and write his opinion." He also said that they needed information as to how Amateurs would want the statutes

changed, new plates every year at a lower price, validating stickers for 5 years, numbered call-letter plates for more than one vehicle, or just what the consensus is of the majority of the Hams in North Carolina. He said he and the Pressleys have written directors, numerous congressmen, the Governor and others in their fight to no avail in attempting to change 1980 rulings. They all suggested trying to get the changes made in the 1980 General Assembly, for 1981 license plates.

A check with the Special Plates section of the Division of Motor Vehicles shows call-letter plate requests to be down only about 500 for 1980, compared with last year.

Everhart said he wished every ham who is concerned to write his congressman and air his views so a bill can be introduced to change the statutes in the 1980 General Assembly.

REPEATER INTERFERENCE

If your repeater is receiving harmful interference from another machine on the same frequency, keep a cool head. Document call signs, times of most interference and which direction it is coming from. Then contact the repeater owner and set up a meeting FACE to FACE over a cup of coffee, and like a gentleman, talk it over. You'd be surprised at the response. If however, you exhaust every means of negotiating with the other owner, contact your CVRA State Director. Ask him to work with you.

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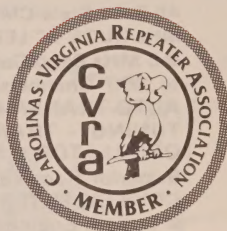
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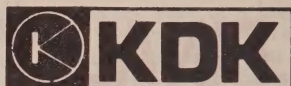
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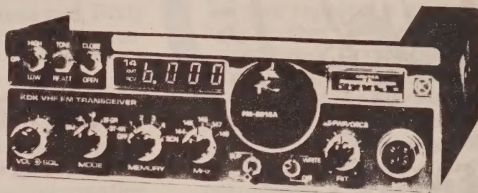


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CHARLOTTE CLUB SETS ALL-TIME RECORD IN VHF

(Editors Note: The Charlotte Mecklenburg ARS (W4BFB) has over the years been the big voice you hear consistantly when you're working a VHF Contest. Their scores have always been at the top in the Roanoke Division and near the top in National competition. The club worked this years contest with what you might consider a contesters dream. Not only did they have the finest equipment, a high mountain peak, great contest operators, but wide-open band conditions throughout the weekend. A top score nationally was achieved by W1FC/1 last year with 88,740. The "BFB" bunch achieved over 175,000 points this year. Although reports aren't in across the nation yet, this score will be hard to beat. HR Report indicated N6NB/1 is claiming 102,795 points as a new all-time high VHF contest score. Apparently they haven't gotten the word yet about our North Carolina boys. Contest chairman Ted Goldthorpe, WA4VCC wrote in the clubs newsletter that they were an unwitting victim of YHPRUM's LAW (pronounced ee'-frum) which is just the opposite of Murphy's law. YHPRUM's LAW means "when things are going right, everything WILL go right." For W4BFB, everything apparently went right.)

by Ted Goldthorpe, WA4VCC

The goal was set. 70,000 points to comfortably take a 12 year standing record for the Roanoke Division. WA8PLZ, the Drake Radio Club, signed portable 8 in W. Va. in 1967 and came home with 67,000 points. "BFB" wanted that record to own all three contest certificates for the Roanoke Division.

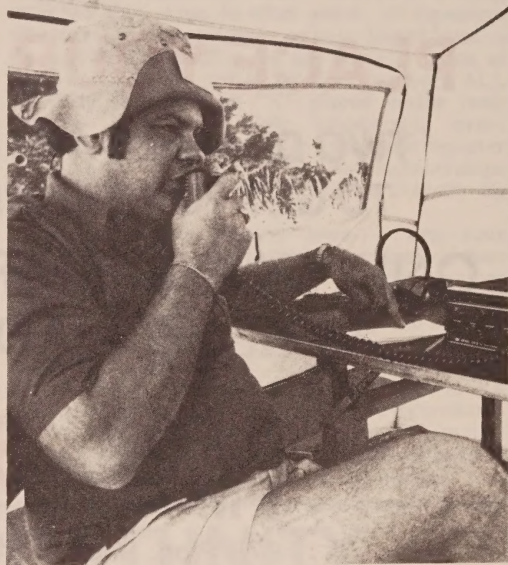
Plans were made, the best equipment secured and permission was granted for 6300 foot Roan Mountain. Then on Friday afternoon, September 7th, 16 'high energy' hams assaulted the North Carolina side of Roan.

The first antenna was in place before night fall on Friday and the last in place by Saturday at 2:30 P.M. 10 elements on six, 40 elements on two SSB, 14 elements and a Hustler G-7 on two FM, a ringo ranger on 220 FM and 38 elements on 432. A regular antenna farm, to be sure.

At 2:45 P.M. a procedural meeting was held by the group and operating schedules for the 24 hour period were handed out. At 2:57 P.M. a loud cheer was heard across Roan and at 3:00 on the mark . . . four operating stations were in full gear.

How were conditions? Unbelievable. Right off the bat, the two meter station had pile-ups into the Midwest. By 3:30, the 220 shack had logged seven states.

'BFB' thought their energy level was high when the bell rang at 3:00 . . . but at midnight on Saturday, it sounded like a pep rally on Roan Mountain.



W4BFB OPERATOR Lane Tarelton, WA4ZQQ operated 2-meter SSB during the VHF Contest. The club operating on Roan Mt. set new records for scoring in a VHF contest.

70,000 points were in the bag and a new goal of 100,000 points was established.

The trend continued throughout the night and into Sunday afternoon. The crew was dead tired, but enthusiasm still prevailed. The new goal was 200,000 points, but the bands had been worked out. Only stragglers were being logged. So the stations came down, one at a time . . . as individual band conditions dictated. At approximately 3:30 P.M., the last station was worked.

At 5:00 P.M., the now 19 participants left the mountain with 75 log sheets in their pockets.

Score? Well, it's too early to finalize . . . but somewhere around 175,000 points had been gathered. Interesting to note, some 1000 contacts had been logged on two meters and a total of 114 sections rounded up on the four bands aggregately.

Yes, W4BFB, sponsored by the Mecklenburg Amateur Radio Society, is all smiles . . . BUT, WHAT ABOUT NEXT YEAR?

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FULL MEMBERSHIPS EXPIRE DEC. 31 — TIME TO JOIN

All full member repeater groups membership in the CVRA will expire December 31, 1979. Each repeater representative listed with the 1979 membership applications will receive letters of renewal and a new application for renewal, during the latter part of this month.

Repeater owners who were not members in 1979 wishing to join as full members in 1980 may obtain full membership applications from Bill Page, WB4LWX, P. O. Box 871, Kinston, N. C. 28501. (919) 523-1718.

The REPEATER JOURNAL as in the past will publish an "Honor Roll" of repeaters who get their applications and membership fees into Bill Page PRIOR TO DEC. 31, 1979. This honor roll, to be published in the February Journal will NOT include members who have joined AFTER Jan. 1, 1980.

Last years "Honor Roll" of early renewals set an all-time record in number. Repeaters joining prior to Dec. 31 that year included: 34-North Carolina; 20-South Carolina; 13-Virginia; 2-Tennessee and 1 from Georgia, for a total of 70. Early renewals for 1978 were 29.

For 1980, let us try for 100 "early Birds".

As of October 1, 1979, full member repeater groups totaled 128 or 2 less than the total for 1978 which was 130, an all-time record. These repeater

member groups represent over 180 repeaters in the three CVRA districts, plus Georgia, Tennessee and West Virginia.

Next year, the JOURNAL will update membership in the FEBRUARY issue, instead of waiting until the MAY issue. In other words, all repeaters who have their renewals in, or have joined prior to the JOURNAL deadline for the repeater index of about January 15th, will be listed as members, ALL OTHERS will have an "N" placed beside their repeater listing until their membership forms arrive. This plan is obviously to encourage repeater owners to get their renewals and new memberships to the CVRA into our hands prior to January 15, 1980.

One final note to repeater users . . . urge your "home" repeater owner to get his membership dues in. Tell him you want to support a CVRA member repeater, and when he shows you he has supported the CVRA by joining, you don't forget to support him as a user of the repeater. Repeaters cost money to operate, and your time, talents or financial support is needed, whether your "home" repeater is a club repeater or owned by one or more individuals. They are providing you a great service, you, in turn can provide them with the assistance they need to help defray the costs of continuing this service.

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HAVE YOU TRIED TO SOLVE INTERFERENCE PROBLEMS?

- by Wayne C. Williams, Editor

I was listening the other day to a repeater as two Amateurs talked. They were discussing interference to their machines. One ham, the apparent repeater owner said something like this:

"I tell you . . . , the interference from that group of nuts down there is really bad. I just don't understand why the CVRA doesn't do something to them about it."

As I listened I was amazed to believe that this guy actually thinks the CVRA should be a monitoring policeman. A look in our files from the Frequency Coordinating chairman showed no indication of any formal complaints on behalf of this repeater.

I am afraid many repeater owners feel the same way. What we must understand is that the CVRA has NO police power, we have NO authority to tell anyone to do anything.

We're not going to enter into any interference situation unless we're asked to do so by one or both the machine owners involved. And we'll only do it then, when the two owners have exhausted every means to get together and work out the problems.

We can call a meeting between owners who have tried every avenue to solve a problem. We can sit down with them and listen to both sides and make recommendations. We cannot render a decision unless asked to do so by all parties involved. And we cannot demand either party abide by that decision. Both parties must be willing to abide by the decision as a result of the meeting.

If you're experiencing problems of interference with your machine. Find out who the owner is of the machine involved. Call him, or make an appointment to go see him. Go with an open mind and be willing to work out the situation.

Your CVRA, made up of you and your fellow repeater owners is here to help coordinate, disseminate information, and advise you when you need help. Your interference problems are your responsibility to work out man-to-man. If however you cannot get the situation resolved, we will be very happy to try and assist when called upon to do so. Only then can we or will we work it out. Its your responsibility to try first . . . not the CVRA. If you've tried everything and think the CVRA assistance is the next thing, contact your State Director. He is the one who you and your peers have elected. He will help you decide what next to do. That's part of his job.

TENNESSEE VOTES YES!

Continued From Page 1

membership in the CVRA. When 10 memberships are signed, the Full Membership chairman will verify the area is ready to become a CVRA district. An election must be held to elect a Director and Vice-Director. When they are chosen, the Director must in turn immediately appoint a number of regional assistant-directors. The new group will then be charged with the job of pushing for additional membership of repeaters, and associate membership.

All this will take a few months, but now that the decision has been made, it is expected that our membership and associate membership chairman are going to be quite busy in December and January processing hundreds of new membership applications.

Several very capable leaders in Tennessee have been spending countless hours in bringing this association with the amateurs in that state along. One man has emerged as the one who pushed the hardest, did the most, and most respected. I think it is very fortunate that he was an official of the ARRL. O. D. Keaton, WA4GLS has been the main contact with the CVRA, along with Bob May, K4SE, who has been an assistant Director for Carter Cogle in Virginia. O. D., the SCM for Tennessee is favorably respected by many, many amateurs across the state. His drive, push, and travels have been well received by his neighboring friends.

When I pressed O. D. over the past months for an answer as to the status of TENNESSEE joining the CVRA, his answer was always, "We want to contact EVERYONE we can in the State, and let each decide for himself, not just a few."

That was exactly what he did. The SCM wrote in his newsletter to most all Amateurs in the State a small questionnaire. Questions were such: How do you feel about the CVRA? Would you favor the State as a whole join? If they did, would you join? etc.

The answers came back to O. D. Keaton loud and clear . . . YES! Overwhelmingly in favor of joining our organization.

With the enthusiasm we see coming from Tennessee since the announcement, I believe we're going to have one heckava good District. In fact, South Carolina and Virginia better watch out, they are gonna catch you in Associate Membership quick if you don't get going with your own District.

And finally, when we get a score, and when we learn more about Tennessee, we'll have a special "Tennessee" dedication edition in the FEBRUARY Journal. So fellas in the "Volunteer" State, get the memberships in, so everyone will get to see it.

We welcome you into the CVRA.... and are very happy to see you join us. We hope you will be as well rewarded as our Districts have over the past.

-Wayne C. Williams, Editor

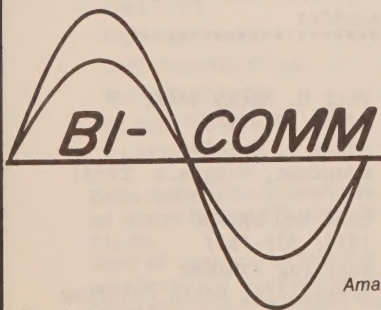


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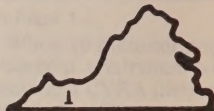
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(More information to follow in
CVRA Journal - February Issue)

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ASSUMING POST OF ASSOCIATE MEMBERSHIP CHAIRMAN...

by Larry McLaurin, WB4VJE

Not unlike Lindsay's account of how he assumed the duties of Associate Membership Chairman several years ago, my story is about the same.

Back in May, Lindsay arrived at my home one evening from Burlington with a CARLOAD of materials. (When Lindsay took over, it was a 4x5 card stack two inches high). So the main difference in his story and mine was probably the quantity of the materials. Keeping up with some 3,000 plus members has made the job quite involved, but as we have become more organized and familiar with the duties, things are shaping up with the help of Lindsay over the phone, and Jim Bartlett, KB4WD, our new Journal Circulation Manager.

I would like to take this opportunity to thank each member of the CVRA for their participation and support. I also would ask for your help in spreading the word about this fine organization. I will be glad to send packets of applications and possibly a few complimentary issues of the JOURNAL, when available, to be passed out to prospective members.

Please contact me if I can be of any service to you, and thanks again for your support of the CVRA.

We are searching for some good people who are willing to take a bunch of applications and JOURNALS and attend Hamfests, meetings, etc., and talk up the CVRA and sign up members on the spot. If you would like to assist, drop me a line.

Membership figures at the present are down somewhat from last Spring. We attribute this to the

tremendous surge of membership we had in the Spring and Summer of 1978, many have let their membership expire and haven't realized it yet.

I would like to especially thank the Cape Fear ARS for printing a CVRA Associate Membership application on the back of their ARRL-mailed Fayetteville (N.C.) hamfest brochures. We counted 55 new members as a result of this service to us. Carl Pressler, W4LPL ramrodded this effort on behalf of the club as they did last year.

We certainly would like for more clubs to consider slipping a plug for the CVRA membership in their hamfest brochure, won't cost you any more, and it sure would help us. If you have any questions on to do this, contact me, or Wayne, the Journal Editor, we'll be glad to assist.

We had a big handout of repeater indexes throughout the Spring and Summer as some 14,000 were distributed across the three states. Unfortunately returns on this piece has been slightly less than successful. I guess the most return we get on new members still come from the applications we print in the JOURNAL. As Wayne, K4MOB, mentioned in a story in this JOURNAL, let's see if EVERYONE can try to get one new Associate Member a month. Let's set this as a goal for 1980. It won't take much take much of your time, but if hundreds do it, we'll get hundreds of new members. So how about it! Pledge one new member per month for 1980.

We pledge to do our best to fill the shoes Lindsay left behind as Associate Membership chairman. With your patience and assistance, we can do it.

CVRA JOURNAL ADVERTISING RATE CARD (Effective 1-1-79)

AD DEADLINES ARE: JAN. 1, APR. 1, JULY 1, OCT. 1

	SIZE	PER ISSUE	CONTRACT PER ISSUE
INSIDE FRONT AND BACK COVER	6" x 7 1/2"	\$60.00	\$55.00
FULL PAGE	6" x 7 1/2"	40.00	35.00
ONE-HALF PAGE	6" x 3 3/4"	22.50	20.00
ONE-QUARTER PAGE	2 7/8" x 3 3/4"	12.50	10.00
BUSINESS CARDS	Standard Size	9.00/yr. (In Advance)	
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Send all copy to: Ken Holliday, WA4DYY, 1923 Halifax Court, High Point, N.C. 27260. Contract advertising will be reinserted if no new copy received by deadline. Advertisers on contract may be billed quarterly if requested. Business Cards, Classified and Ham Fest ad insertions must be sent in Check with order.

CVRA DISTRICTS NET REGISTER(Local Times Indicated)

TWO METERS - FM

ANDERSON SC	37/97	WR4AIO ANDERSON RADIO CLUB NET	DAILY	2130
ASHEVILLE NC	16/76	WA4BVW YL NET	THU	2030
ASHEVILLE NC	16/76	WA4BVW WESTERN NORTH CAROLINA TFC NET	TUE	2030
BENSON NC	87/27	WR4ARL JOHNSON ARS NET	DAILY	1930
BLUEFIELD VA	4.89/5.49	K8BHG EAST RIVER RC NET	WED	2030
BLUEFIELD WVA	16/76	WR4AXS EAST RIVER ARC NET	WED	2030
BURLINGTON NC	07/67	WR4AYO ALAMANCE COUNTY ARES NET	MF	2100
CATAWBA COUNTY NC	82/82	CATAWBA COUNTY RACES NET	MON	1900
CHARLOTTE NC	34/94	WR4AEU METROLINA 2-METER EMERG. NET	DAILY	2100
CHERAW SC	735/135	WD4HEH CHESTERFIELD COUNTY ARS NET	TUE	2030
DANVILLE VA	10/70	WR4BDN LAST CAPITOL SERVICE NET	THSN	2030
DILLON SC	52/52	DILLON CO. ARC NET	MON	1830
DORCHESTER SC	78/18	W4NAT DORCHESTER AREC/RACES NET	1ST M	
DUBLIN VA	78/18	WB4UQZ NEW RIVER VALLEY ARC NET	SUN	2100
DURHAM NC	34/94	WR4BEK TRIANGLE RADIO ALERT NET	DAILY	2030
DURHAM NC	34/94	WR4BEK POSSUM TROT NET	MF	0630
FAYETTEVILLE NC	31/91	WR4ANN POSSUM TROT NET	MF	0630
FAYETTEVILLE NC	31/91	WR4ANN CAPE FEAR ARS NET	DAILY	1900
FLORENCE SC	37/97	WR4AGM FLORENCE 2-METER NET	MON	2000
FOREST VA	705/105	W44JBV VA. TELETYPE SOC. RTTY NET	MON	2000
GREENSBORO NC	01/61	K4SNI PIEDMONT TFC. & TRAINING NET	MWF	2030
GREENSBORO NC	16/76	WR4AOD CVRA INFORMATION NET	WED	2030
GREENSBORO NC	63/03	WD4IPZ GUILFORD ARS TFC & TRNG NET	TUE	2100
GREENSBORO NC	72/12	K4CJZ GUILFORD COUNTY EMERG. NET	THUR	2100
GREENVILLE NC	52/52	BRIGHTLEAF ARS NET	TUE	2100
GREENVILLE SC	01/61	WR4ADG BLUE RIDGE ARPSC NET	TUE	2100
GREENWOOD SC	765/165	WR4AUE ABBEVILLE-GREENWOOD EMERG. NET	TUE	2200
GRIFTON NC	16/76	WR4ABP ENC EMERGENCY NET	THU	2100
JACKSONVILLE NC	40/00	WD4FVO ONSLOW ARC NET	WED	2100
LANCASTER SC	10/70	WC4AAW LANCASTER CO. NET	SUTTH	2030
LAURENS SC	25/85	WA4UZA LAURENS COUNTY ARES NET	SUN	2030
LAURINBURG NC	025/625	WR4AOX SAND HILLS EMERGENCY NET	DAILY	1930
LEXINGTON SC	7235/6835	WR4AGK LEXINGTON CO RACES NET	WED	2100
LUMBERTON NC	96/36	WR4BDQ LUMBERTON ARC NET	MF	2030
LYNCHBURG VA	01/61	WR4AXO LYNCHBURG TWO METER FM NET	TUE	1900
MORGANTON NC	75/15	WR4AQI W. PIEDMONT VHF NET	WED	2100
MYRTLE BEACH SC	01/61	WA4KGN GRAND STRAND 2-METER NET	WED	2100
N. WILKESBORO NC	22/82	WB4PZA FOOTHILLS RACES NET	MON	2100
N. AUGUSTA SC	13/73	WR4ABB STATELINE NET	LAST SUN	2000
ORANGEBURG SC	69/09	WR4AQY VHF NET	TUE	1900
RALEIGH NC	04/64	WR4ACF RARS NET	MTTHF	2000
RALEIGH NC	28/88	WR4AOE PIEDMONT COASTAL TFC NET	DAILY	2100
REIDSVILLE NC	25/85	K4YFT ROCKINGHAM CTY. ARC NET	TUE	2100
ROANOKE VA	385/985	WR4AFY ROANOKE VALLEY ARC NET	WED	2000
SALISBURY NC	13/73	WR4AAA CENT. NORTH CAROLINA TFC. NET	DAILY	2200
SUMTER SC	04/64	WR4AOI SUMTER RPTR. ASSN 2-METER NET	MON	2130
SUMTER SC	615/015	WD4ECQ SARA-2 METER NET	MON	2100
TAZEWELL VA	75/15	WA4QKH TRI-COUNTY 2-METER NET	SUN	2000
TIDEWATER AREA VA	37/97	WA4KXV STARES NET (S. TIDEWATER ARES)	M-F	2100
WHITE HALL SC	31/91	WR4AQL COASTAL ARA 2-METER NET	THU	2100
WINCHESTER VA	22/82	WR4AGT SHENANDOAH VALLEY SERVICE NET	DAILY	1915
WINSTON-SALEM NC	04/64	WR4ARD FORSYTHE COUNTY AREC/RACES NET	WED	2100

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HILLSBOROUGH NC	2.34/3.94	WA4WTX PIEDMONT 220 NET	TTH	2100
SAURATOWN MT NC	3.28/4.88	WR4AOW CVRA INFORMATION NET	WED	2000

TWO METERS SSB

APPOMATTOX VA	144.25	VIRGINIA SSB NET	THU	2200
GREENSBORO NC	144.25	NORTH CAROLINA S.W.O.T.	TUE	2100
GREENVILLE SC	144.25	SOUTH CAROLINA S.L.O.T.	M-TH	2100

SIX METERS

CHARLOTTE NC	50.40	CHARLOTTE HORNET NET (AM)	SUN	2100
CLEMSON SC	50.125	DIXIE NET (SSB)	W,SN	2100
RICHMOND VA	50.25	CENTRAL VIRGINIA NET (AM)	DAILY	1900

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RALEIGH NC	432.09	N.C. STATE CLUB NET	WED	2100
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1978 HAMFEST SEASON ENDS

by Wayne C. Williams, K4MOB

The dust has settled, clubs have put away all the remnants of another Hamfest Season. With the closing of the ARRL Roanoke Division Convention Oct. 20-21 at Norfolk, and the Chattanooga, Tenn. Hamfest on Oct. 27-28, it's all over for 1979 in this area.

Looking back over the season, it was mixed. The year started with heavy attendance at most hamfests, then mid-season attendance tapered off, then picked up slightly near the end of the season. Bad weather was detrimental to more hamfests this year than usual, causing bad attendance or completely wiping them out. Even hamfests with covered areas were hurt by low weather related attendance.

In a couple of months, the 1980 Hamfest season will start again. The R.A.T.S. club of Richmond, Va. again gets the jump on everyone with FrostFest III on January 13. The event in a large Recreation Center is well attended each year and promises to be even better next year.

The Hillsville (N.C.) group has decided to repeat their performance again next year in Elkin, on Sunday Feb. 24. The National Guard Armory is an excellent site which the club chose last year. Again next year the club plans big things and bigger prizes.

With the cooperation of Phil Wicker, W4ACY, Roanoke Division Director, ARRL, the Journal Staff has put together a tentative Hamfest schedule for 1980. Some dates are confirmed by clubs and others are tentative based on past years. (Tentative dates are marked with an asterisk). You will find the Calendar as usual in the back of the book.

Reviewing Hamfests since our August issue of the Journal as we have done this year to give you an idea of what the various Hamfests are like, we will be more brief this time.

Picking up with the Winchester Hamfest in Northern Virginia on August 5, we were unable to go this year due to the gas crunch. Reports from that area indicate that it was most successful this year at the Ruritan Park in Berryville.

The Concord (N.C.) hamfest was the groups first one and reports indicate the club was satisfied at their first attempt. The Hamfest was held on August 12. The dealer participation was down, but dealers there reported brisk activity.

Bristol (Tenn.) and Fayetteville (N.C.) both held hamfest on August 18-19. We went to Fayetteville, moved this year to Fort Bragg at the officers club. The crowd was down due to the clubs brochures apparently getting lost in the mail, but the location was outstanding. A marvelous air-conditioned area, with lounge steps away, swimming, golf and other things available. A lot of people missed a great experience. We were unable to get any reports on

activity at Bristol so we cannot report on that Hamfest.

September was wide open after the first week. The Shelby Radio Club presented their 22nd Annual Hamfest, this year at the Cleveland County Fairgrounds. Dale Mauney, WA4BBN, president of the club writes the Journal: "This was our largest ever, attended by over 6,000 people, with 174 flea market tailgaters and 46 dealer displays."

Mauney also indicated an overall support for the change in location from Cedar Park where the hamfest had been held for many years.

As we write this, we still have Rock Hill (S.C.) and New Bern (N.C.) to come on October 7th. Rock Hill held in Joslin Park on Lake Wylie is a relaxing nice place to go. It will probably be chilly in the morning, maybe even rain (it has over the years) but things will dry out by early morning and turn out perfect as usual. Frank Porters delicious B-B-Q dinner will be available again this year.

The 2nd Annual Eastern N.C. hamfest was held at the Craven County Fairgrounds east of New Bern on October 7th. Unfortunately due to scheduling problems with the fairgrounds, the clubs had to settle with a conflicting date again this year. The event sponsored by the Brightleaf ARC, (Greenville) New sponsored by the Brightleaf ARC, (Greenville) New Bern ARC and Onslow ARC of Jacksonville featured a large indoor Flea Market.

The next weekend the mountains of Western North Carolina were teeming with amateurs for the Asheville Autumnfest at the Asheville Civic Center. This event was well attended last year and promised to be a nice weekend for hamfesting and mountain driving at the peak of the leaf coloring season.

October 20-21 was the weekend for the 4th Annual Tidewater Hamfest and ARRL Roanoke Division Convention at the SCOPE in Norfolk, Virginia. A highlight of the weekend included a cruise and dinner dance on a cruiseship. 60,000 square feet of air conditioned show space was available for dealers and flea market.

The final event of the season in this area was the Hamfest Chattanooga (Tenn.) on October 27 and 28. FCC exams were scheduled Saturday morning with forums and information programs later in the day. The event held at the Chattanooga State Tech. Community College was near many scenic attractions in the scenic city of the South.

As we look back over the year we can't help but admire the clubs who undertake the monumental task of putting on a hamfest. We as Amateur brothers and sisters should give our thanks to them for giving us a place to go to meet friends, enjoy a weekend, buy something, sell something, or just look, loaf, and eat. There's nothing like it and there never, ever will be.

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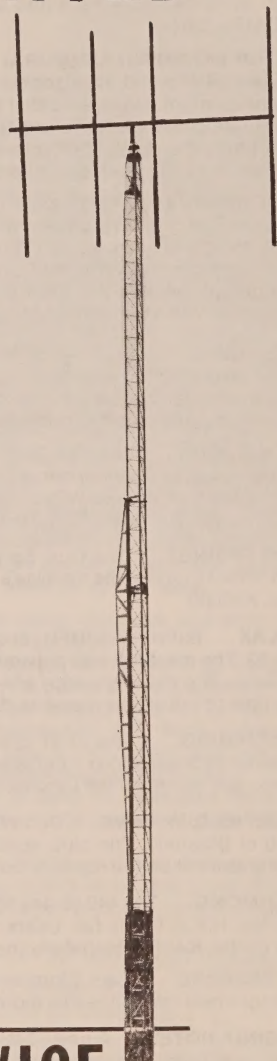
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LYNCHBURG . . . A 220 repeater is planned and coordinated in the Lynchburg area on 223.34-224.94. Herman Cone, WB4DBB (the grandfather of 220 in N.C.) had the frequency coordinated in Durham. Herman has since moved to Lynchburg, and stirring up 220 activity in area. Herman said he will also put a remote base on 440 mhz. so he can work back into Durham on the 222.34-223.94 repeater and keep tabs on his old friends there. (WB4JBj, Larry)

AFTON MOUNTAIN (CRIMORA) . . . The Afton Mt. repeater is on the air on 675-075. W4NPT reports good coverage to Richmond, Harrisonburg and all the Shenandoah Valley. A station from Norfolk worked the machine the other night. He reports that the machine, although set up for voice operation, is also open to RTTY users. There are plans in the future to have a link possibly with the Virginia Teletype Soc. 705-105 repeater near Lynchburg if enough RTTY interest warrants. The repeater will get twenty more feet of tower in the near future, and all new solid state equipment to be added soon. (WB4JBj)

LYNCHBURG . . . The Virginia Teletype Society, an active group of VHF RTTY enthusiasts has issued their first newsletter in September, with about 35 copies mailed out. The newsletter contained articles about RTTY equipment and news for RTTYers. Future publication of the newsletter is not yet determined as RTTY articles have been requested for the CVRA Journal and would serve the same purpose (according to VTS spokesman). The group operates the 705-105 repeater on RTTY/Voice and has future plans of linking with other RTTY repeaters in North Carolina and Virginia. (WB4JBj)

RICHMOND . . . The W4ZA 34-94 repeater in Richmond continues its successful running of information tapes on all local amateur activities available. Proper ID and 7-7-7 on the tone pad will bring up the tape. The repeater, which was used extensively during the recent Hurricanes is available 24-hours a day. The machine is tone access, second column touchtone or whistleup. (Jim, K4OJE)

RICHMOND . . . The 04-64 Telephone pioneers RC repeater has its new antenna tower. A new antenna and higher powered repeater should be on very soon. The 28-88 RATS repeater has new hardline and antenna at the 420 ft. level of the old WCVE tower. Excellent reports throughout central Virginia in a 100 mile radius. The machine has 200 watts ERP. This Fall, a new Super Stationmaster will go on 28-88. (Jim, K4OJE)

GUM SPRINGS . . . The Gum Springs 87-27 repeater's new Spectrum receiver has been received and operating well. KB4GX reports the machine's operation is doing well in a wide area of central and Piedmont Virginia. (Jim, K4OJE)

GALAX . . . Buford, WA4DFH reports the Briarpatch ARC subband repeater at Galax is now on the air on 144.53-145.13. The machine was previously a local coverage 34-94 machine on the Twin County Community Hospital in Galax. The new frequency will have more power and better receivability. A new Wacom duplexers is due in any time to put on the repeater. (Buford, WA4DFH)

LYNCHBURG . . . The 01-61 Lynchburg users continue to be plagued by the uncoordinated 01-61 K4SNI/R repeater in Greensboro. Interference is caused by both the repeater's strong signal into Lynchburg, and by its users, also keying up the Lynchburg machine. (Carter, K4ARO)

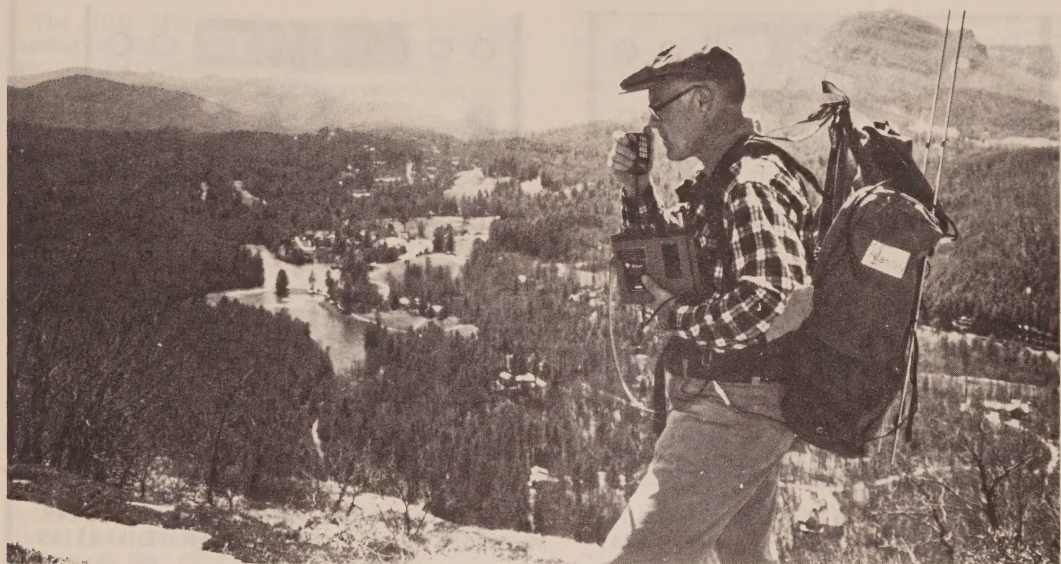
BLUEFIELD, W. Va/VA . . . Don Williams, WA4AUA has been elected president of the East River Amateur Radio Club of Bluefield. The club operates the 16-76, WR4AXS repeater located on East River Mountain. The club operates a net on the repeater on Wednesday nights at 2030 local time. (Carter, K4ARO)

RICHMOND . . . The 449.85-444.85 repeater will be upgraded to a GE Master II and moved to a new site at about 400 feet H.A.A.T. this fall. Users of the repeater are Tom, K4PQD, Fred, WB4KXS, Milt, K4FZZ, Jim, WA4ONG and Carter, K4ARO. Hopefully the usage will improve with the upgrade of the facility.

PETERSBURG . . . Sam Blomberg, WA4QWT, owner and operator of WR4BDX will be leaving for Georgia to take up a new residence this month. Local Amateur friends wish Sam the best in his new "Southern" location.

VIRGINIA NOTES . . . A new 63-03 repeater is on in Fishersville, W4BLD/R. WB4MBO is trustee of a new repeater in Lynchburg. The machine is on 975-375. Larry Lewis, WB4JBj of Forest, named Assistant Director for the Central District under Carter Cogle (See Story this Journal). Ten-Meter FM was excellent last spring from Central Virginia, but the Summer season was quite poor. Excellent conditions are returning with the cool weather this fall. Stations in Japan, Argentina, Venezuela, England, Scotland have been worked during September on 10-meters FM. Lets get Virginia going and try to improve our Associate Membership, and Full Repeater Membership in The CVRA during 1980, we got a lot of hams in the old dominion, we should have lots and lots more members than we do. — Carter Cogle, K4ARO, Va. Director.

BACKPACKING AND YAKKING IN THE MOUNTAINS OF N.C.



TALKING HIGH, Erwin Jackson, N4BIG communicates on two meters as he back-packs across the mountain ridges in Western North Carolina. Erwin keeps his wife informed as to where he is, and when he will be home.

Special to the JOURNAL:

If you monitor the repeaters in the mountainous areas of Western North Carolina, you may hear a familiar call from N4BIG asking for assistance in passing traffic to his XYL.

Ervin Jackson Jr., Charlotte, N.C., frequently backpacks and kayaks in Western North Carolina. Encountering some domestic QRM because he was always tardy in arriving at the appointed time at the pick-up point following a trip, he turned to 2-meters to solve his problem. His XYL previously has waited an hour to three hours for the group to show-up, never knowing if the delay was due to an accident or mis-management of time.

Carrying a lightweight Wilson-800 synthesized rig, Ervin can alert his wife ahead of time if the group is expected to be late at the rendezvous point. On backpack trips it is convenient to relay messages in the evening to let home-base know where the group is camped. In some cases the XYL will use the evening contact to relay needed messages back to the group.

Ervin explains there is seldom any difficulty opening up nearby repeaters on backpack trips since the hiking elevation is generally quite high and one-watt out-put works wonders.

Canoeing and kayaking contacts do present prob-

lems since rivers are lower elevation and often in canyons or blocked by mountains.

To increase effectiveness of the one-watt output in these situations, Ervin packs a small, take-a-part German gamma-match antenna which increases signal strength approximately 5db. Both antenna and WE-800 rig fits into a waterproof bag which nestles in the rear compartment of the kayak.

When the antenna is used on mountain terrain good simplex contacts can be made using one-watt output.

Next time you hear N4BIG in the mountains give him a shout. He will probably be talking to you from a mountain ridge or a kayak on the Chattooga River.

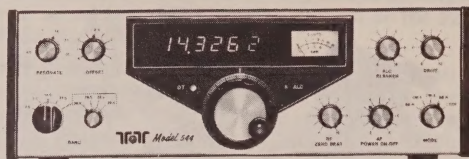
SEANARC '80 — ARRL NATIONAL

by John H. Brown, W7CKZ

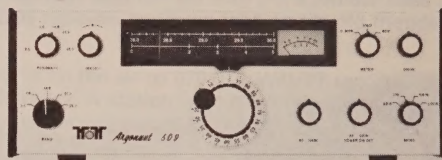
Special to the CVRA Journal

World Friendship Through Amateur Radio is the theme of what is destined to be an exciting ARRL National Convention to be held in Seattle, Washington July 25-27. SEANARC '80 will feature outstanding speakers, seminars and manufacturers exhibits.

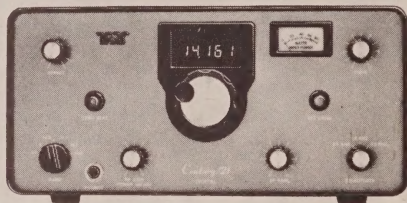
Amateurs planning to visit the beautiful Pacific Northwest will want to watch for complete details on the program and registration later.



Model 540 Analog Dial Transceiver \$699
Model 544 Digital Dial Transceiver \$869



Model 509 Argonaut \$389



Model 570 Analog Dial Transceiver \$349
Model 574 Digital Dial Transceiver \$449



Model 545 Series B OMNI-A Analog Dial \$949
Model 546 Series B OMNI-D Digital Dial \$1119

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NANCY - KA4BQD

STEVE - KA4KNU

VHF CONTEST SCORES ZOOM BAND OPENINGS EVERYWHERE

by Al Ross, K4CAW

The ARRL VHF QSO Party which was held September 8th from 3:00 p.m. to 6:00 a.m. Monday was a VHF DXers dream. Conditions were such that fantastic QSOs were taking place across the country on all VHF bands.

I started listening around Saturday morning and was hearing W-Zeros from Kansas quite strong on two-meters SSB from my home. When the contest started at 3 p.m., I was in a QSO with a W-9 in Indiana.

Listening to the mountain toppers, W4ATC, NC State ARC of Raleigh on White Top Mt. in Virginia; WA4WZQ on Mt. Mitchell and W4BFB on Roan Mt. it was obvious some unusual propagation was in progress. Mountain toppers were working fives in Texas on 2 SSB like they were reading aloud from a callbook. Going over to 432 mhz, I was astonished to hear the SAME THING. Texas! North and South Sections. (I was not hearing Texas, but they were!)

Me . . . K4CAW, worked the contest as an active participant and thought I did well with 150 2-meter contacts until I got a recent look at W4ATC's log where they got that many on 432 along with 27 sections. I still don't believe what W4BFB has done. This score they have of some 175,000 accumulated points is mind boggling.

This kind of propagation was in effect in some direction continuously until 9:00 a.m. Thursday morning, the 13th, when conditions seemed to return to normal.

HIGHLIGHTS: VE1ASJ (Nova Scotia,) worked WA4CYH, Macon Ga., exchanging S9 reports on two-meters. On 432 mhz, W-ones were working W-fives.

This has got to be the best band opening, during and following a contest on record. I believe the published scores in QST will bear this out.

CHARLOTTE, N.C. ARC ACTIVE IN PUBLIC SERVICE EVENTS

The Charlotte, N.C. Amateur Radio Club (W4CQ) is involved in many public service events. In August the club provided communications for the Easter Seals annual Bathtub Derby. This was the first time the club had worked with the Easter Seals organization and they said it was quite rewarding, and hope to help out again next year. Some of the participants were: Kelly Bowman, WA4JXD; Jim Pilker, KK4N; Wilford Eury, WD4BEL; Jim Crisco, WA-4YIZ; Bill Dunlap, WA4FKY; Jerry Murchison, WB4BSG and Lillie Murchison, WB4BUK.

The club meets at the WSOC-TV building each 4th Thursday of the month.

ADAPTING A LO Z MIKE TO A HI Z TRANSCEIVER

by Lee Harris, WB4KPF

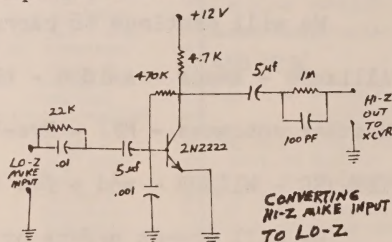
(Technical Editor's Note: Lee describes how he converted his Lo-Z microphone for his Genave GTX-10 which has Hi-Z input. The same would hold true to any Hi-Z transceivers such as Regency, Clegg, Midland, etc.)

Almost all newer two-meter rigs use Low Impedence dynamic microphones, while older cheaper rigs used Hi-Z crystal or ceramic microphones.

Most miketone pad combinations are of the low-Z variety and low level. In order to use a CES Micro-pad with a Genave GTX-10, I built a simple circuit on a small terminal strip and installed it inside the rig. You will note the older rigs generally have plenty of empty space inside. (I also installed a receive pre-amp earlier with plenty room left).

In my circuit (see diagram below), the transistor type isn't critical, but the 2N2222, GE 20, or ECG 123A will work nicely. The values of the 1 meg resistor and 100 pf capacitor can be changed to alter audio response and/or modulation level. Short leads, etc. are necessary to prevent hum and "squealing" from stray RF. This pickup can be a problem for you.

Audio reports on my "new" Genave microphone have been very good, with the audio comparable to my Tempo VHF One-Plus.



FROST FEST III SKED JAN. 13

THE RICHMOND FROSTFEST III, sponsored by the Richmond Amateur Telecommunications Society will be held Sunday, January 13, 1980 at the Bon Air Community Center.

Homebrew contest with four awards, Most Original Idea, Best Electrical Work, Best Mechanical Work and Most Deserving Work. Prizes.

FCC Exams start at 10 AM and completed Forms 610 must be received in the Norfolk Office of the FCC at 870 North Military Highway, Bank of Virginia Bldg., Norfolk, Va. 23502 no later than January 9th. Talk In 28-88 and 34-94. For information write: Richmond Amateur Telecommunications Society, P. O. Box 1070, Richmond, Virginia 23208.

GEORGETOWN COMMUNICATIONS



1074 PATTON AVENUE • P. O. BOX 6843
ASHEVILLE, NORTH CAROLINA 28806

TELEPHONE 704/252-9815

CARL E. SMITH, N4AA



After nearly a year and a half of trying to operate a full time "ham" radio business, we find it necessary to make a few changes!

Many of you readers have done business with us, and we appreciate that business. We have tried to be competitive - within reason - and as open and honest as possible. Unfortunately, we cannot compete with toll-free numbers and the apparently unlimited resources of others.

Therefore, effective NOVEMBER 1, 1979, Georgetown Communications will revert to its original business - commercial two-way service - on a full time basis. We will continue to serve the amateurs in areas where we can be competitive, on a limited basis. Our location will remain the same - but we will be open for "walk-in" amateur sales only on Saturdays from 9 AM to 6 PM. We will not be open for "walk-in" business on weekdays.

We will continue to carry the following lines of equipment:

Alliance - Ameco - Amidon - ARRL - B & W - Consolidated Tower - DSI
Hustler Antennas - MFJ - Nye-Viking - Saxton Wire - Taylor Antennas
TEN-TEC - WILSON - and a few others.

We will accept orders by phone or mail and ship to you, just as we always have.

We regret this change in operation. It is a simple case of economics. Running a "ham" store can be fun, but - with todays economy and business philosophy, it is just not profitable!

I look forward to seeing and talking with my many business acquaintances at certain Hamfests, or at the store on SATURDAYS.

THE COFFEE POT IS ALWAYS ON AT GEORGETOWN!

VERY 73,

Carl - N4AA

DISTRIBUTION OF REPEATERS BY FREQUENCY

NOVEMBER, 1979 NORTH CAROLINA SOUTH CAROLINA VIRGINIA

TWO METERS

4.51 / 5.11	HIGH POINT	NC
	KNOXVILLE(TN)	NC
4.53 / 5.13	GALAX	VA
4.55 / 5.15	MORGANTON	NC
4.57 / 5.17	BUTNER	NC
4.59 / 5.19	WINSTON-SALEM	NC
4.61 / 5.21	GASTON	SC
4.65 / 5.25	MT PISGAH	NC
4.66 / 5.26	GREENSBORO	NC
4.69 / 5.29	TRINITY	NC
4.70 / 5.30	BYRON CITY	NC
4.73 / 5.33	MT AIRY	NC
4.75 / 5.35	CHARLOTTE	NC
	RALEIGH	NC
	BLAND	VA
4.77 / 5.37	N. WILKESBORO	NC
4.79 / 5.39	SAURATOWN MT	NC
4.81 / 5.41	LEXINGTON	VA
4.83 / 5.43	ALEXANDRIA	VA
	GALAX	VA
4.85 / 5.45	NEWPORT	NC
4.87 / 5.47	LILLINGTON	NC
6.01 / 6.61	GREENSBORO	NC
	NEW BERN	NC
	GREENVILLE	SC
	MIRLE BEACH	SC
	BRUMLEY MT	VA
	LYNCHBURG	VA
6.025/6.625	LAURINBURG	NC
	HARRISONBURG	VA
	NEW MARKET	VA
6.04 / 6.64	HENDERSONVILLE	NC
	RALEIGH	NC
	WINSTON-SALEM	NC
	SUMTER	SC
	RICHMOND	VA
6.055/6.655	CONCORD/KANNAP.	NC
	ALEXANDRIA	VA
6.07 / 6.67	BURLINGTON	NC
	FOREST CITY	NC
	BARREN SPRINGS	VA
	WILLIAMSBURG	VA
6.085/6.685	GRIFTON	NC
	STATESVILLE	NC
	ALEXANDRIA	VA
6.10 / 6.70	DUNN	NC
	CHARLESTON	SC
	GREENVILLE	SC
	LANCASTER	SC
	DAN/WHT.OAK MT	VA
	HIGHLAND SPRNGS	VA
	NORFOLK	VA
6.115/6.715	SPRING LAKE	NC
	HERNDON	VA
	STERLING	VA
6.13 / 6.73	KNOXVILLE(TN)	NC
	SALISBURY	NC
	WILMINGTON	NC
	N. AUGUSTA	SC
	HAMPTON	VA
6.145/6.745	DILLON	SC
6.16 / 6.76	ASHVL/MT PISGAH	NC
	GREENSBORO	NC
	GRIFTON	NC
	CHARLESTON	SC
	COLUMBIA	SC
	CHARLOTTESVILLE	VA

	E RIVER MT(WVA)	VA	6.46 / 7.06	CHARLOTTE	NC
	FOREST	VA		ELIZABETH CITY	NC
6.175/6.775	ELIZABETHTOWN	NC		SOUTH BOSTON	NC
6.19 / 6.79	HIGH POINT	NC	6.475/7.075	BURLINGTON	VA
	JOHNSON CTY(TN)	NC	7.255/6.835	LEXINGTON	SC
	LEVEL CROSS	NC	7.30 / 7.90	MONROE	NC
	CHARLESTON	SC	7.37 / 7.97	GREENSBORO	NC
	TOCCOA (GA)	SC	7.38 / 7.98	DURHAM	NC
	CHESAPEAKE	VA	7.615/7.015	SUMTER	SC
	FAIRFAX	VA		FREDRICKSBURG	VA
6.205/6.805	GASTONIA	NC	7.63 / 7.03	GREENSBORO	NC
6.22 / 6.82	DURHAM	NC		ROANOKE RAPIDS	NC
	ROARING GAP	NC		FISHERSVILLE	VA
	WILMINGTON	NC	7.66 / 7.06	MACON	GA
	GREENVILLE	SC		SUMTER/SHAW	SC
	COVINGTON	VA		RICHMOND	VA
	WINCHESTER	VA	7.675/7.075	GREENVILLE	SC
6.235/6.835	WADESBORO	NC		CRIMORA	VA
6.25 / 6.85	GOLDSBORO	NC	7.69 / 7.09	GREENVILLE	NC
	HICKORY/BRT. MT	NC		ORANGEBURG	SC
	REIDSVILLE	NC		SPARTANBURG	SC
	FLORENCE	SC		BRIARPATCH MT	VA
	LAURENS	SC	7.705/7.105	MONROE	NC
	SUMMERSVILLE	SC		JOHNSN MT/FRST	VA
	PORTSMOUTH	VA	7.72 / 7.12	GASTONIA	NC
6.265/6.865	HIGH POINT	NC		GREENSBORO	NC
6.28 / 6.88	RALEIGH	NC		ROCKY MOUNT	NC
	SHELBY	NC		N. AUGUSTA	SC
	COLUMBIA	SC		CULPEPPER	VA
	SAVANNAH (GA)	SC	7.735/7.135	CHERAW	SC
	RICHMOND	VA	7.75 / 7.15	MORGANTON	NC
	ROANOKE/SALEM	VA		RALEIGH	VA
6.295/6.895	WILLIAMSTON	NC		PETERSBURG	VA
6.31 / 6.91	AHOSKIE	NC		TAZEWELL	VA
	ASHEVILLE	NC	7.765/7.165	GREENWOOD	SC
	FAYETTEVILLE	NC		WARRENTON	VA
	LEXINGTON	NC	7.78 / 7.18	MT AIRY	NC
	WHITE HALL	SC		SANFORD	NC
	BLACKSBURG	VA		DORCHESTER	SC
	FARMVILLE	VA		FT MILL	SC
	ROANOKE	VA		DUBLIN	VA
	TYSONS CORNER	VA		PETERSBURG	VA
6.325/6.925	DANVILLE(DCC)	NC	7.795/7.195	LAKE TOXAWAY	NC
6.34 / 6.94	ASHEVILLE	NC	7.81 / 7.21	GREENSBORO	NC
	BURGAW	NC		LITTLE MT	SC
	CHARLOTTE	NC		MCLEAN	VA
	DURHAM	NC		RUSTBURG	VA
	MANTOE	NC	7.825/7.225	HILLSBOROUGH	NC
	CHARLESTON	SC	7.84 / 7.24	EDEN	NC
	COLUMBIA	SC		FRANKLIN	NC
	GREER	SC		PINE BLUFF	NC
	HAMPTON	VA		SHELBY	NC
	LYNCHBURG	VA		COLUMBIA	SC
	RICHMOND	VA		LYNCHBURG	VA
	ROANOKE	VA		PETERSBURG	VA
6.355/6.955	ROCKINGHAM	NC		WOODBRIIDGE	VA
6.37 / 6.97	KINGS MTN	NC	7.855/7.255	ASHEBORO	NC
	MT AIRY	NC		SHENANDOAH	VA
	SMITHFIELD	NC	7.87 / 7.27	BENSON	NC
	ANDERSON	SC		GASTONIA	NC
	FLORENCE	SC		JOHNSON CTY(TN)	NC
	SAVANNAH (GA)	SC		WAYNESVILLE	NC
	MANASSAS	VA		CHARLESTON	SC
	STAUNTON	VA		LONG MT	SC
	VIRGINIA BEACH	VA		GUM SPRING	VA
6.385/6.985	ALBEMARLE	NC	7.885/7.285	MARTINSVILLE	VA
	ROANOKE	NC	7.90 / 7.30	JACKSONVILLE	NC
6.40 / 7.00	HIGH POINT	NC		SILVA	NC
	JACKSONVILLE	NC		BERRYVILLE	VA
	MARION	SC		FRANKLIN	VA
	PICKENS	SC		GRUNDY	VA
	SUFFOLK	VA	7.915/7.315	UNION CROSS	NC
6.415/7.015	BLUEFIELD	VA		ALEXANDRIA	VA
6.43 / 7.03	ERWIN	NC	7.93 / 7.33	FAYETTEVILLE	NC
	ROCK HILL	SC		LENOIR	NC
	BLACKSBURG	VA		COLUMBIA	NC
6.445/7.045	ROBBINSVILLE	NC		TOCCOA (GA)	SC

	COLE MT	VA
	KLMNRK/SALUDA	VA
7.945/7.345	SHELBY	NC
	DANVILLE	VA
7.96 /7.36	BOONE	NC
	LUMBERTON	NC
	EDMUND	SC
7.975/7.375	BURNSVILLE	NC
	LYNCHBURG	VA
7.99 /7.39	CHARLOTTE	NC
	EDENTON	NC
	JONESBORO (TN)	NC
	PETERSBURG	VA

220 MHZ

2.30 / 3.90	COLUMBIA	SC
2.32 / 3.92	HIGH POINT	NC
2.34 / 3.94	ASHVL/MT PISGAH	NC
	HILLSBOROUGH	NC
	SUMTER	SC
	TYSONS CORNER	VA
2.38 / 3.98	GREER	SC
2.40 / 4.00	LOCUST	NC
2.42 / 4.02	FAYETTEVILLE	NC
	HICKORY	VA
2.46 / 4.06	GREENVILLE	SC
2.70 / 4.30	STATESVILLE	NC
2.74 / 4.34	GALAX	VA
3.04 / 4.64	RALEIGH	NC
3.10 / 4.70	WINSTON-SALEM	NC
3.16 / 4.76	SALISBURY	NC
3.22 / 4.82	GIBSONVILLE	NC
	ALEXANDRIA	VA
3.28 / 4.88	SAURATOWN MT	NC
3.34 / 4.94	GREENEVILLE(TN)	NC
	SYLVA	NC
	LYNCHBURG	VA
3.36 / 4.96	MORGANTON	NC

450 MHZ

9.25 / 7.25	ANDERSON	SC
	ALEXANDRIA	VA
2.50 / 7.50	ROANOKE	VA
3.50 / 8.50	TYSONS CORNER	VA
4.225/9.225	MANASSAS	VA
4.25 / 9.25	CHARLOTTESVILLE	VA
4.75 / 9.75	TYSONS CORNER	VA
4.85 / 9.85	ANNANDALE	VA
4.90 / 9.90	WOODBRIIDGE	VA
7.75 / 3.75	DENVER	NC
7.90 / 2.90	HIGH POINT	NC
8.10 / 3.10	LILLINGTON	NC
8.31 / 3.31	LEXINGTON	NC
8.80 / 3.90	TAZEWELL	VA
9.00 / 4.00	DURHAM	NC
	SUMMERSVILLE	SC
9.05 / 4.05	COLE MTN	VA
	WAYNESBORO	VA
9.10 / 4.10	HILLSBOROUGH	NC
	CHARLESTON	SC
9.35 / 4.35	HILLSBOROUGH	NC
9.45 / 4.45	FALLS CHURCH	NC
9.50 / 4.50	LYNCHBURG	VA
	PETERSBURG	VA
	ALEXANDRIA	VA
9.60 / 4.60	CONCORD/KANNAP.	NC
9.65 / 4.65	SALISBURY	NC
9.70 / 4.70	CHARLOTTE	NC
9.85 / 4.85	RICHMOND	VA
	ASHEVILLE	NC
9.90 / 4.90	CHESAPEAKE	VA
9.95 / 4.95		

NORTH CAROLINA REPEATERS

TWO METERS

AHOSKIE	WR4AFB	146.31	146.91	N	PA
ALBEMARLE	WR4BBX	146.385	146.985		
ASHEBORO	WR4AOE	147.855	147.255	PA	
ASHEVILLE	WB4DRN	146.31	146.91	A	
ASHEVILLE	WA4QCO	146.34	146.94	N	
ASHVL/MT PISGAH	WA4BVB	146.16	146.76		
BENSON	WR4ARL	147.87	147.27	PA	
BOONE	WR4ATQ	147.96	147.36	PA	
BRYSON CITY	K4BBF	144.70	145.30	N	P
BURGAU	K4LZY	146.34	146.94		
BURLINGTON	WR4AYO	146.07	146.67	N	A
BURLINGTON	W4VGZ	146.475	147.075	EA	
BURNSVILLE	WA4LLR	147.975	147.375	N	
BUTNER	WA4IZG	144.57	145.17	N	P
CHARLOTTE	WB4HTR	144.75	145.35	N	P
CHARLOTTE	WR4AEU	146.34	146.94	A	
CHARLOTTE	WR4ALO	146.46	147.06	N	A
CHARLOTTE	WR4AWQ	147.99	147.39	N	
CONCORD/KANNAP.	K4CEB	146.055	146.655	A	
DUNN	WB4FXM	146.10	146.70	N	C
DURHAM	WA4WTX	146.22	146.82		
DURHAM	WR4BEK	146.34	146.94	A	
DURHAM	WR4AJY	147.38	147.98	N	D
EDEN	WR4AXZ	147.84	147.24	N	
EDENTON	WA4JOK	147.99	147.39	N	C
ELIZABETH CITY	WA4VTX	146.46	147.06	A	
ELIZABETH TOWN	W4DCD	146.175	146.775	N	P
ERWIN	WR4ALY	146.43	147.03	N	
FAYETTEVILLE	WR4ANN	146.31	146.91	A	
FAYETTEVILLE	W4LPL	147.93	147.33	O	
FOREST CITY	WR4AHA	146.07	146.67	N	A
FRANKLIN	WR4ALD	147.84	147.24	N	
GASTONIA	K4ZFD	146.205	146.805	N	L
GASTONIA	WR4ATP	147.72	147.12	N	A
GASTONIA	WD4KGM	147.87	147.27	N	
GOLDSBORO	K4CYP	146.25	146.85	A	
GREENSBORO	N4AZM	144.66	145.26	N	
GREENSBORO	K4SNI	146.01	146.61	A	
GREENSBORO	WR4AOD	146.16	146.76		
GREENSBORO	AE4R	147.37	147.97	N	PR
GREENSBORO	WD4IPZ	147.63	147.03	A	
GREENSBORO	K4CJZ	147.72	147.12	EA	
GREENSBORO	WR4ANL	147.81	147.21	N	
GREENVILLE	W4GDF	147.69	147.09	A	
GRIFFON	W4NBR	146.085	146.685	A	
GRIFFON	WR4ABP	146.16	146.76		
HENDERSONVILLE	WR4ALC	146.04	146.64	N	
HICKORY/BRT. MT	WR4ACM	146.25	146.85		
HIGH POINT	N4XO	144.51	145.11	N	P
HIGH POINT	WR4AFV	146.19	146.79		
HIGH POINT	WA4ZXA	146.265	146.865		
HILLSBOROUGH	K4AZA	146.40	147.00	PA	
JACKSONVILLE	WA4WTX	147.825	147.225	A	
JACKSONVILLE	WD4FVO	146.40	147.00	A	
JACKSONVILLE	WR4ATW	147.90	147.30		
JOHNSON CTY(TN)	WR4AIP	146.19	146.79		
JOHNSON CTY(TN)	WA4DIU	147.87	147.27	A	
JONESBORO(TN)	WB4SQC	147.99	147.39	A	
KINGS MTN	WR4AYN	146.37	146.97		
KNOXVILLE(TN)	WB4JSD	144.51	145.11	R	
KNOXVILLE(TN)	WR4APU	146.13	146.73		
LAKE TOXAWAY	WR4AGH	147.795	147.195	N	
LAURINBURG	WR4AOX	146.025	146.625		
LENOIR	WR4ARW	147.93	147.33		
LEVEL CROSS	K4VUG	146.19	146.79		
LEXINGTON	WD4NTE	144.81	145.41	N	P
LEXINGTON	WR4BDA	146.31	146.91	PA	
LILLINGTON	WA4FKI	144.87	145.47	N	

LUMBERTON	WR4BDQ	147.96	147.36	N	A
MACO	K4OVA	147.66	147.06		
MANTEO	WR4AKB	146.34	146.94	PA	
MONROE	K4BGU	147.30	147.90	N	
MONROE	WR4BBN	147.705	147.105	A	
MORGANTON	WB4AUDS	144.55	145.15	N	P
MORGANTON	WR4AQI	147.75	147.15		
MT AIRY	AA4RW	144.73	145.33		
MT AIRY	WB4UJH	146.37	146.97		
MT AIRY	WA4CQK	147.78	147.18	N	
MT PISGAH	WA4COS	144.65	145.25	N	P
N. WILKESBORO	N4BEX	144.77	145.37	N	P
NEW BERN	WD4JMS	146.01	146.61	A	
NEWPORT	K4GRW	144.85	145.45	N	P
PINE BLUFF	WR4BAR	147.84	147.24	N	
RALEIGH	W4PNN	144.75	145.35	N	PR
RALEIGH	WR4ACF	146.04	146.64	N	
RALEIGH	WR4AOE	146.28	146.88		
RALEIGH	WR4AOE	147.75	147.15	PA	
REIDSVILLE	K4YFT	146.25	146.85		
ROANOKE RAPIDS	K4PUV	147.63	147.03		
ROARING GAP	WB4PZA	146.22	146.82		
ROBBINSVILLE	WR4BAN	146.445	147.045		
ROCKINGHAM	WA4ULA	146.355	146.955		
ROCKY MOUNT	WD4HIG	147.72	147.12	A	
SALISBURY	WR4AAA	146.13	146.73		
SANFORD	WB4EJJ	147.78	147.18	N	A
SAURATOWN MT	WB4SNA	144.79	145.39	N	CL
SHELBY	WR4ABF	146.28	146.88		
SHELBY	WR4AWU	147.84	147.24	N	
SHELBY	WR4ABF	147.945	147.345	A	
SMITHFIELD	WR4BBO	146.37	146.97		
SPRING LAKE	WR4BCA	146.115	146.715	N	
STATESVILLE	WR4AZS	146.085	146.685		
SYLVA	KA4V	147.90	147.30		
TRINITY	WD4KUN	144.69	145.29	N	P
UNION CROSS	WB4RGV	147.915	147.315	N	
WADESBORO	W4USH	146.235	146.835	N	
WAYNESVILLE	N4SM	147.87	147.27	PA	
WILLIAMSTON	WA4TKJ	146.295	146.895	P	
WILMINGTON	WR4AVF	146.13	146.73		
WILMINGTON	WR4AHL	146.22	146.82		
WINSTON-SALEM	W4HKB	144.59	145.19	N	P
WINSTON-SALEM	WR4ARD	146.04	146.64	A	

SIX METERS

CARY	WR4AVP	52.35	53.35	N	
CHARLOTTE	WA4TPZ	52.07	53.07	N	P
HICKORY	WR4ACM	52.47	53.47		
RALEIGH	WR4AOE	52.05	53.05		
RALEIGH	WA4PEN	52.25	53.25	C	
ROBBINSVILLE	WR4BAN	52.15	53.15		

220 MHZ

ASHVL/MT PISGAH	WR4AEV	222.34	223.94		
FAYETTEVILLE	WR4ADK	222.42	224.02		
GIBSONVILLE	WA4YGD	223.22	224.82		
GREENEVILLE(TN)	WB4NKM	223.34	224.94		
HICKORY	WR4ACM	222.42	224.02		
HIGH POINT	K4AZA	222.32	223.92	A	
HILLSBOROUGH	WA4WTX	222.34	223.94		
LOCUST	WR4BBA	222.40	224.00		
MORGANTON	WB4PML	223.36	224.96	N	
RALEIGH	WA4PEN	223.04	224.64		
SALISBURY	WR4AAA	223.16	224.76		
SAURATOWN MT	WR4AOW	223.28	224.88		
STATESVILLE	WR4	222.70	224.30	N	P
SYLVA	KA4V	223.34	224.94	C	
WINSTON-SALEM	WR4ARD	223.10	224.70	R	

450 MHZ

ASHEVILLE	WR4ALE	449.90	444.90	N
CHARLOTTE	WR4ALO	449.85	444.85	N
CONCORD/KANNAP.	WA4UPD	449.65	444.65	N C
DENVER	WR4	447.75	443.75	N P
DURHAM	WR4	449.00	444.00	N P
HIGH POINT	WR4ADR	447.90	442.90	
HILLSBOROUGH	WA4WTX	449.10	444.10	PA
HILLSBOROUGH	WB4DBB	449.35	444.35	
LEXINGTON	WR4	448.31	443.31	N P
LILLINGTON	WR4	448.10	443.10	N P
SALISBURY	WR4AAA	449.70	444.70	P

VIRGINIA REPEATERS

TWO METERS

ALEXANDRIA	WB8LMB	144.83	145.43	M
ALEXANDRIA	WR4AXB	146.055	146.665	M
ALEXANDRIA	W4HFH	146.085	146.685	M
ALEXANDRIA	WA4CCF	147.915	147.315	M
BARREN SPRINGS	WR4AFQ	146.07	146.67	
BERRYVILLE	WR4APE	147.90	147.30	M
BLACKSBURG	WR4AXT	146.31	146.91	N C
BLACKSBURG	WA4YRJ	146.43	147.03	
BLAND	N4AZJ	144.75	145.35	N
BLUEFIELD	WB80GY	146.415	147.015	
BRIARPATCH MT	WR4AHR	147.69	147.09	N L
BRUMLEY MT	WR4ATJ	146.01	146.61	N
CHARLOTTESVILLE	WR4ATL	146.16	146.76	
CHESAPEAKE	WR4ACN	146.19	146.79	
COLE MT	WR4BCI	147.93	147.33	N
COVINGTON	WA4HTI	146.22	146.82	
CRIMORA	W4NPT	147.675	147.075	N
CULPEPPER	WR4BCS	147.72	147.12	M
DAN/WHT.OAK MT	WR4BDN	146.10	146.70	
DANVILLE	WR4AHG	147.945	147.345	N
DANVILLE(DCC)	WB4GJG	146.325	146.925	
DUBLIN	WB4UQZ	147.78	147.18	
E RIVER MT(WVA)	WR4AXS	146.16	146.76	A
FAIRFAX	WR4AAD	146.19	146.79	M
FARMVILLE	WR4ASW	146.31	146.91	
FISHERSVILLE	W4BLD	147.63	147.03	N
FOREST	WR4ADY	146.16	146.76	A
FRANKLIN	K4SPS	147.90	147.30	PA
FREDRICKSBURG	N4QD	147.615	147.015	N P
GALAX	WR4AHR	144.53	145.13	N
GALAX	WA4ZIV	144.83	145.43	N P
GRUNDY	WR4	147.90	147.30	N A
GUM SPRING	WR4BBI	147.87	147.27	N
HAMPTON	WR4ALW	146.13	146.73	
HAMPTON	WR4AFT	146.34	146.94	N T
HARRISONBURG	WR4ATG	146.025	146.625	N
HERNDON	WA4TXE	146.115	146.715	M P
HIGHLAND SPRNGS	W4TJF	146.10	146.70	N C
JOHNSN MT/FRST	WB4JUB	147.705	147.105	R
KLMNRK/SALUDA	WA4UAF	147.93	147.33	
LYNCHBURG	WR4AXO	146.01	146.61	
LYNCHBURG	WB4MBO	146.34	146.94	N
LYNCHBURG	WD4EXH	147.84	147.24	N
LYNCHBURG	WB4MBO	147.975	147.375	N C
MANASSAS	WB4HHN	146.37	146.97	N A
MARTINSVILLE	WB4HAD	147.885	147.285	N
MCLEAN	WR4APC	147.81	147.21	M R
NEW MARKET	WR4ATG	146.025	146.625	M
NORFOLK	WR4ANT	146.10	146.70	N
PETERSBURG	K4SII	147.75	147.15	N P
PETERSBURG	WR4BDX	147.78	147.18	A
PETERSBURG	WR4BBU	147.84	147.24	
PETERSBURG	W4LGG	147.99	147.39	PA
PORTSMOUTH	K4LMY	146.25	146.85	N

RICHMOND	WB4QEY	146.04	146.64	
RICHMOND	WR4BBZ	146.28	146.88	N PA
RICHMOND	W4ZA	146.34	146.94	T
RICHMOND	WA4DMO	147.66	147.06	N P
ROANOKE	WD4GDE	146.31	146.91	N
ROANOKE	WR4AHT	146.34	146.94	N
ROANOKE	WR4AFY	146.385	146.985	N
ROANOKE/SALEM	WR4AFE	146.28	146.88	N L
RUSTBURG	WD4EXH	147.81	147.21	N P
SHENANDOAH	WB4DAK	147.855	147.255	N P
SOUTH BOSTON	WR4AYU	146.46	147.06	N
STAUNTON	WR4ACL	146.37	147.97	N
STERLING	WA4TXE	146.115	146.715	M
SUFFOLK	WR4AKS	146.40	147.00	PA
TAZEWELL	WA4QKH	147.75	147.15	
TYSONS CORNER	K4VYN	146.31	146.91	M PA
VIRGINIA BEACH	WA4KXV	146.37	146.97	EA
WARRENTON	WB4FJT	147.765	147.165	M P
WILLIAMSBURG	W4NTG	146.07	146.67	N
WINCHESTER	W4RKC	146.22	146.82	
WOODBIDGE	WR4AII	147.84	147.24	M A

SIX METERS

ABINGTON	WR4ATJ	52.01	53.01	N L
ALEXANDRIA	WA4CCF	52.13	53.13	M C
CHARLOTTESVILLE	WR4AYG	52.76	53.525	N
CHRISTIANSBURG	K4AUG	52.03	53.03	N P
DANVILLE	WB4GUG	52.13	53.13	P
LEXINGTON	WR4BCI	52.01	53.01	N
NORFOLK	WR4ATK	53.525	52.525	
TAZEWELL	WA4QKH	52.05	53.05	N P

220 MHZ

ALEXANDRIA	WA4CCF	223.22	224.82	M P
GALAX	WA4DFH	222.74	224.34	N P
LYNCHBURG	WB4DBB	223.34	224.94	C
TYSONS CORNER	K4GCM	222.34	223.94	M

450 MHZ

ALEXANDRIA	WR4AAG	439.25	426.25	M V
ALEXANDRIA	WA4CCF	449.60	444.60	M
ANNANDALE	WR4AQG	444.85	449.85	M
CHARLOTTESVILLE	WR4AYG	444.25	449.25	N
CHESAPEAKE	WR4	449.95	444.95	N P
COLE MTN	WR4BCI	449.05	444.05	N P
FALLS CHURCH	WB8CRK	449.45	444.45	M
LYNCHBURG	WB4IUS	449.50	444.50	T
MANASSAS	WD4JCE	444.225	449.225	M C
PETERSBURG	WR4BBU	449.50	444.50	N P
RICHMOND	WA4ONG	449.85	444.85	N P
ROANOKE	WR4AFY	442.50	447.50	N L
TAZEWELL	WA4QKH	448.90	443.90	P
TYSONS CORNER	WB6GUS	443.50	448.50	M P
TYSONS CORNER	K4LHB	444.75	449.75	M
WAYNESBORO	W4BLD	449.05	444.05	
WOODBIDGE	WR4AII	444.90	449.90	M

REPEATER SYMBOLS

N	NON Member CVRA	L	Linked
A	Autopatch	C	Under Construction
PA	Private Autopatch	P	Proposed Repeater
EA	Emergency Autopatch	O	Off Air Temporarily
T	Tone Access	V	Television
M	T-MARC Repeater	R	RTTY

FOR CHANGES IN THE CVRA
REPEATER INDEX-CONTACT YOUR
STATE DIRECTOR OR JOURNAL EDITOR

SOUTH CAROLINA REPEATERS

TENNESSEE REPEATERS

TWO METERS

ANDERSON	WR4AIO	146.37	146.97	PA
CHARLESTON	WR4	146.10	146.70	N P
CHARLESTON	K4ILT	146.16	146.76	A
CHARLESTON	K4ESG	146.19	146.79	N C
CHARLESTON	N4SC	146.34	146.94	T
CHARLESTON	WR4BCP	147.87	147.27	N A
CHERAW	WD4HEH	147.735	147.135	
COLUMBIA	WR4AYE	146.16	146.76	
COLUMBIA	K4AVU	146.28	146.88	N
COLUMBIA	WR4ACD	146.34	146.94	N
COLUMBIA	WR4AYE	147.84	147.24	
COLUMBIA	WB4VLY	147.93	147.33	
DILLON	KA4BGA	146.145	146.745	N
DORCHESTER	W4NAT	147.78	147.18	
EDMUND	WR4ACD	147.96	147.36	N A
FLORENCE	W4ULH	146.25	146.85	
FLORENCE	WR4AGM	146.37	146.97	N PA
FT MILL	WR4ABK	147.78	147.18	
GASTON	WB4NEP	144.61	145.21	A
GREENVILLE	WR4ADG	146.01	146.61	N A
GREENVILLE	W4AZT	146.10	146.70	PA
GREENVILLE	WR4ADG	146.22	146.82	N A
GREENVILLE	WR4	147.675	147.075	N PA
GREENWOOD	WR4AUE	147.765	147.165	PA
GREER	W4IQQ	146.34	146.94	
LANCASTER	WC4AAW	146.10	146.70	PA
LAURENS	W4AUZA	146.25	146.85	A
LEXINGTON	WR4AGK	147.255	146.835	N
LITTLE MT	K4AVU	147.81	147.21	C
LONG MT	W4AJRJ	147.87	147.27	
MARION	W4YLT	146.40	147.00	
MYRTLE BEACH	W4KGN	146.01	146.61	
N. AUGUSTA	WR4ABB	146.13	146.73	
N. AUGUSTA	WR4ALS	147.72	147.12	N
ORANGEBURG	WR4AQY	147.69	147.09	A
PICKENS	WR4ADP	146.40	147.00	
ROCK HILL	WC4ABD	146.43	147.03	PA
SAVANNAH (GA)	W4HBB	146.28	146.88	
SAVANNAH (GA)	W4HBB	146.37	146.97	A
SPARTANBURG	K4JLA	147.69	147.09	N PA
SUMMERVILLE	WR4	146.25	146.85	N C
SUMTER	WR4AOI	146.04	146.64	PA
SUMTER	WD4ECQ	147.615	147.015	
SUMTER/SHAW	WR4AUS	147.66	147.06	
TOCCOA (GA)	W4ALUC	146.19	146.79	
TOCCOA (GA)	KA4DIP	147.93	147.33	
WHITE HALL	WR4AQL	146.31	146.91	

TWO METERS

ALAMO	WR4API	147.135	147.735	W
ALCOA	WR4APM	146.25	146.85	E
ALTMONT	WR4AWN	146.37	146.97	CN
BRISTOL	WR4AFZ	146.28	146.88	NE
BRISTOL	WR4AXQ	147.60	147.00	NE
BROWNSVILLE	WR4ASI	146.655	146.055	SW
CHATTANOOGA	K4CMY	146.01	146.61	SE
CHATTANOOGA	WB4UDX	146.19	146.79	SE
CHATTANOOGA	WR4AFS	147.60	147.00	SE
CLARKSVILLE	WR4AOD	147.60	147.00	CN
CLEVELAND	WR4AOV	147.78	147.18	SE
COLUMBIA	WR4AIX	147.72	147.12	CN
COOKEVILLE	WR4ANW	146.07	146.67	E
COOKEVILLE	WB4QJS	147.81	147.21	E
COVINGTON	WR4BBC	147.93	147.33	SW
CROSSVILLE	WR4	147.93	147.33	E
DAYTON	N4OU	147.99	147.39	SE
FAYETTEVILLE	WR4BAQ	147.63	147.03	S
GALLITIN	WR4BCX	147.84	147.24	CN
GREENVILLE	WR4AHP	146.10	146.70	E
GREENVILLE	W4LYF	147.66	147.06	NE
HENDERSONVILLE	W4KKO	144.89	145.49	CN
HENDERSONVILLE	WR4BCX	147.63	147.03	CN
HOHENWALD	WR4	147.93	147.33	W
JACKSON	WR4AQN	147.81	147.21	W
JOHNSON CTY*	WR4AIP	146.19	146.79	NE
JOHNSON CTY*	W4ADIU	147.87	147.27	NE
JONESBORO*	WB4SQC	147.99	147.39	E
KINGSFORT	WR4ADO	146.16	146.76	NE
KINGSFORT	WR4AGE	146.37	146.97	NE
KNOXVILLE	WR4AIA	146.01	146.61	E
KNOXVILLE	WR4ADF	146.34	146.94	E
KNOXVILLE	WR4AHF	146.40	147.54	E
KNOXVILLE*	WB4JSD	144.51	145.11	E
KNOXVILLE*	WR4APU	146.13	146.73	E
LAFOLLETTE	WR4AKW	146.07	146.67	E
LEBANON	WR4BBM	146.13	146.73	CN
MADISON	WR4AKN	146.04	146.64	CN
MANCHESTER	WR4ACI	146.10	146.70	CN
MEDINA	K4BEZ	146.37	146.97	W
MEMPHIS	WR4	144.89	145.49	SW
MEMPHIS	WR4AHK	146.01	147.51	SW
MEMPHIS	WR4AYR	146.04	146.64	SW
MEMPHIS	WR4AOG	146.10	146.70	SW
MEMPHIS	WR4AGR	146.13	146.73	SW
MEMPHIS	WR4ABS	146.19	147.51	SW
MEMPHIS	WR4AHO	146.22	146.82	SW
MEMPHIS	WR4AZK	146.25	146.85	SW
MEMPHIS	W4ETE	146.28	146.88	SW
MEMPHIS	WR4AEX	146.34	146.94	SW
MEMPHIS	WR4BLJ	146.40	147.00	SW
MEMPHIS	WR4AXF	146.46	147.06	SW
MEMPHIS	WR4BCU	147.63	147.03	SW
MEMPHIS	WR4AWT	147.67	147.07	SW
MEMPHIS	WB4DAZ	147.72	147.12	SW
MEMPHIS	WR5AII	147.75	147.15	SW
MEMPHIS	WR4	147.78	147.17	SW
MEMPHIS	WR4AZC	147.87	147.27	SW
MEMPHIS	WR4ASF	147.90	147.30	SW
MEMPHIS	WR4ATA	147.96	147.36	SW
MEMPHIS	WR4ASR	147.99	147.39	SW
MORRISTOWN	WR4	147.63	147.03	E
NASHVILLE	WR4AWV	146.01	146.61	CN
NASHVILLE	WR4AKN	146.07	146.67	CN
NASHVILLE	WR4ACS	146.16	146.76	CN
NASHVILLE	WR4AFA	146.19	146.79	CN

TEN METERS

ANDERSON	N4JK	29.53	29.63
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SIX METERS

COLUMBIA	WR4	52.05	53.05	N
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220 MHZ

COLUMBIA	WB4URY	222.30	223.90	
GREENVILLE	W4FHJ	222.46	224.06	
GREER	W4ILY	222.38	223.98	N PA
SUMTER	WR4AUS	222.34	223.94	N C

450 MHZ

ANDERSON	N4JK	439.25	427.25	CV
CHARLESTON	N4SC	449.10	444.509	T
SUMMERVILLE	WR4	449.00	444.00	N P

Continued on Next Page

TENNESSEE REPEATERS

(Continued)

NASHVILLE	WR4ABV	146.25	146.85	CN
NASHVILLE	WR4ACY	146.28	146.88	CN
NASHVILLE	WR4AGX	146.34	146.94	CN
NASHVILLE	AI4P	147.615	147.015	CN
NASHVILLE	WR4AUX	147.75	147.15	CN
NASHVILLE	WB4HFS	147.78	147.18	CN
NASHVILLE	WA4YQC	147.87	147.27	CN
NASHVILLE	WB4ZSA	147.90	147.30	CN
NASHVILLE	WR4BBT	147.945	147.345	CN
NASHVILLE	WR4AKN	147.96	147.36	CN
NASHVILLE	WR4	147.975	147.375	CN
NASHVILLE	WB4DLQ	147.99	147.39	CN
NEWBERN	AA4HF	146.745	146.145	NW
OAK RIDGE	WR4ADQ	144.85	145.45	E
OAK RIDGE	WR4AGJ	146.22	146.82	E
OAK RIDGE	W4SKH	146.28	146.88	E
OAK RIDGE	K4EAJ	147.72	147.12	E
OAK RIDGE(RTTY)	K4EAJ	147.75	147.15	E
PARIS	WR4AYM	147.96	147.36	NW
PULASKI	W4JVO	146.715	146.115	S
SAVANNAH	WA4HGN	146.31	146.91	W
SHELBYVILLE	WR4AQM	147.66	147.06	S
SHORT MT.	WR4AZF	146.31	146.91	CN
SPARTA	W4BSA	147.69	147.09	CN
SPRINGFIELD	WR4AGH	147.63	147.03	N
UNION CITY	WR4AUQ	146.10	146.70	NW
UNION CITY	K4MVE	146.655	146.055	NW
WAVERLY	WR4AYB	146.685	146.085	W
WINCHESTER	WR4AFH	146.22	146.82	S

220 MHZ

CHATTANOOGA	W4DSK	223.18	224.78	SE
GREENEVILLE*	WB4NKM	223.34	224.94	E
KNOXVILLE	WB4BYH	222.86	224.46	E
NASHVILLE	WR4	223.38	224.79	CN

*CVRA Full Member Repeater

Updated Index Ctsy: David
Wolfe, WA4VXX, Tenn.

OBJECTIVE OF THE CVRA

The Carolinas-Virginia Repeater Association is an organization of Amateur Radio Repeater owners, operators and users who have banded together to:

- Serve as a coordinating body for VHF/UHF repeater and simplex frequencies.
- Promote the exchange of information concerning repeater installations and operation.
- offer guidance and assistance in establishing repeaters.
- Provide a unified voice for FM and repeater interests in the State of North Carolina, South Carolina and Virginia.
- Advance the general interest and welfare of

N. C. QSO PARTY SKED NOV. 30 - DEC. 2

The annual North Carolina QSO party will be held this year from 1900Z Nov. 30 to 0100Z Dec. 2. Recommended frequencies are: 3560, 3720, 3900, 7060, 7120, 7270, 14060, 14290, 21060, 21120, 21390, 28060, 28120, and 28590 khz.

For exchanges, NON-NORTH CAROLINA stations send RST and StateProvinceCounty. NORTH CAROLINA stations send RST and COUNTY.

SCORING: For NON-N.C. stations figure score as follows + number of NC QSO's times North Carolina COUNTIES equals total score.

NORTH CAROLINA score as follows + one point per QSO times total of StatesProvincesCountries (foreign), equals total score.

The same North Carolina station can be worked on different bands, modes, or in a different NC county and will count as an additional QSO.

North Carolina stations can get additional multiplier: number of counties operated FROM in North Carolina.

Logs will not be returned. They must contain complete information and operators signature. Include summary sheet with name, call, mailing address, operating locations, score computations and claimed score. For multi-op stations, the calls of all operators must be included.

Submit logs by JANUARY 10, 1980 to the ALAMANCE ARC, 2822 Weschester Drive, Burlington, N.C. 27215.

AWARDS: There will be a certificate to each top scorer in each StateProvinceCountry and to the top scorer in each StateProvinceCountry and to the top scorer in EACH North Carolina County. Additionally, a CALLBOOK of choice will be awarded to the top scorer out-of-state and to the top scorer in North Carolina.

North Carolina stations are urged to get on the air during this State QSO party and give points to out-of-state operators. The more we have on from the state, the more participants we will have from out-of-state.

amateur radio as a public service.

Organized in March 1971, the Association has become the leader of FM interests in our three state area.

The organization has no enforcement powers and can only recommend frequencies. The only penalties for neglecting to advise the CVRA of your present operation, or for neglecting to obtain or disregarding recommendations for your future operation, is the possible interference from other groups which may reduce the effectiveness and enjoyment of your system, and of your neighbors.

GEORGIA REPEATERS

ADAIRSVILLE	WB4LRA	146.085	146.685
ALBANY	WR4ADM	146.10	146.70
ALBANY	WR4ANB	146.22	146.82
AMERICUS	WR4AOH	147.87	147.27
ASHBURN	K4QOT	147.285	147.885
ATHENS	WA4BKF	146.13	146.73
ATHENS	K4TUQ	147.375	147.975
ATLANTA	WR4ABE	146.04	146.64
ATLANTA	W4DDC	146.22	146.82
ATLANTA	WR4ABC	146.27	146.87
ATLANTA	WR4ARK	146.40	147.00
ATLANTA	WR4AHS	147.855	147.255
ATLANTA GA TECH	W4AQL	147.66	147.06
AUGUSTA	WR4AGD	146.34	146.94
BALDWIN	WD4NHV	147.78	147.18
BRUNSWICK	WR4APZ	146.13	146.73
BURFORD	WR4BSV	147.87	147.27
CARROLLTON	W4FWD	146.04	146.64
CEDARTOWN	WR4AZU	147.72	147.12
CLEVELAND	WR4	146.925	146.325
COHUTTA-RTTY	WR4AXM	146.46	147.06
COLUMBUS	WD4BDU	144.71	145.31
COLUMBUS	W4YYE	146.13	146.73
COLUMBUS-RTTY	K4ACH	144.77	145.37
CONYERS	WB4JDM	147.81	147.21
COVINGTON	WA4ASI	146.925	146.325
CUMMING	W4BJT	144.81	145.41
CUMMING	WR4AOC	147.75	147.15
DALLAS	WR4AHM	146.25	146.85
DALLAS	KB4EO	147.96	147.36
DUBLIN	W4A4HZ	147.96	147.36
EATONTON	WR4ACX	147.66	147.06
FOLKSTON	K4DMK	146.19	146.79
FORSYTH	WR4AQA	147.315	147.915
GAINESVILLE	WR4AEK	146.07	146.67
GRIFFIN	WR4AIV	146.31	146.91
GRIFFIN	WR4AEA	146.43	147.03
HAMILTON	AC4P	147.835	147.235
HAPEVILLE	WR4ABN	147.63	146.03
HARTWELL	WA4NBP	146.895	146.295
IRWINTON	WB4NFG	147.84	147.24
ISABELLA	W4MM	146.13	146.73
JESUP	W44SQL	146.07	146.67
JONESBORO	WR4AED	144.85	145.45
LAGRANGE	WR4AVJ	147.93	147.33
LYONS	WR4APZ	146.22	146.82
MABLETON	WB4BMC	146.13	146.73
MACON	WB4OLL	144.83	145.43
MACON	W4BKM	146.06	146.66
MACON	K4ICT	146.46	147.06
MARIETTA	W4PPT	147.165	147.675
MILLEDGEVILLE	WR4AUM	146.10	146.70
MOULTRIE	WD4AOW	146.19	146.79
NEWMAN	K4SEX	146.19	146.79
PINE MT VALLEY	WB4ULJ	144.59	145.19
QUITMAN	WR4BBH	146.28	146.88
RINGOLD	WR4ABZ	146.715	146.115
ROME	WR4ADH	146.34	146.94
ROSWELL	WA4BRO	144.87	145.47
SANDY SPRINGS	WB4CPL	144.75	145.35
SAVANNAH	K4NXL	146.10	146.70
SAVANNAH	WR4AVD	147.63	147.03
SAVANNAH*	W4HBB	146.28	146.88
SAVANNAH*	W4HBB	146.37	146.97
STONE MTN	WR4AED	146.16	146.76
STONE MTN-RTTY	WR4BAG	147.105	147.705
SVR CRK/MT ALTO	WR4BBG	147.90	147.30
SWAINSBORO	WR4APR	146.19	146.79
SWEAT MTN	WR4AMN	146.28	146.88
SWEAT MTN	WB4UPC	147.94	147.34
THOMASTON	K41MK	147.89	147.39
THOMASVILLE	K4UFM	147.66	147.06
TOCCOA	W4AUC	146.19	146.79
TOCCOA*	KA4DIP	147.93	147.33
UNION CITY	WA4UPE	146.025	146.625
VALDOSTA	W44SMH	146.16	146.76
VALDOSTA	W44SMH	147.135	147.735
VIENNA	W44RWS	144.89	145.49
WARNER ROBBINS	WR4AFD	146.25	146.85
WAYCROSS	WR4AZP	147.90	147.30
WRIGHTSVILLE	WR4AMK	146.04	146.64
	W44RVS	146.34	146.94

HELEN WB4OPS 222.52 224.12

*CVRA Full Member Repeater

Updated Index Ctsy: David Nulty, N4ATI, Ga.

MARYLAND REPEATERS

ADELPHI	WB3FRW	144.77	145.37
ASHTON	WR3AFT	146.40	147.00
BALTIMORE	WR3AFM	146.07	146.67
BALTIMORE	WR3ACR	147.63	147.03
BALTIMORE	WR3AIU	147.885	147.285
BEL AIR	K3GUX	146.175	146.775
BETHESDA	K3YGG	144.69	145.29
CHELTENHAM	WR3AGF	147.75	147.15
CHEVERLY	WR3ABC	146.01	146.61
COLLEGE PARK	W3EAX	144.89	145.49
COLUMBIA	K3CUU	147.735	147.135
COLUMBIA	WR3AGP	147.99	147.39
CUMBERLAND	WR3AGI	146.28	146.88
DAVIDSONVILLE	WR3AJP	147.705	147.105
E. BALTIMORE	WR3AFI	147.84	147.24
EASTON	WAAGVI	146.445	147.045
FREDERICK	WR3ABL	146.13	146.73
FREDERICK	W4DHT	147.66	147.06
FROSTBURG	WR3AKV	147.99	147.39
GAITHERSBURG	WR3AKP	146.955	146.355
GLEN BURNIE	W43PJQ	146.205	146.805
GRENBELT	WR3ABB	146.28	146.88
HAGERSTOWN	WR3ABT	146.34	146.94
HAVRE DE GRACE	WR3ADH	146.25	146.85
JESSUP	WR3ADZ	146.16	146.76
LEXINGTON PARK	WR3ACP	146.04	146.64
LEXINGTON PARK	W3NET	146.265	146.865
N. BALTIMORE	W43KOK	146.34	146.94
POTOMAC	WR3ACF	147.87	147.27
ROCKVILLE	W3RCN	144.65	145.25
ROCKVILLE	WR3ABM	146.04	146.64
SALISBURY	WR3ABS	146.22	146.82
SALISBURY	W43YII	146.385	146.985
SEVERNA PARK	WR3ACL	146.10	146.70
SILVER SPRING	WR3ABU	146.25	146.85
SILVER SPRING	WR3AEO	147.78	147.18
W. BALTIMORE	WR3AGE	147.945	147.345
WASHINGTON DC	WR3AGC	147.96	147.36
BALTIMORE	WR3AJC	52.03	53.03
WHEATON	WR3AFV	52.25	53.25
DAMASCUS	WR3AHS	222.98	223.98
DAVIDSON	K35ZN	222.28	223.88
W. BALTIMORE	WR3AKN	223.34	224.94
BALTIMORE	WR3AFM	444.35	449.35
BURTONSVILLE	WR3AGM	448.65	443.65
E. BALTIMORE	W3WCQ	439.25	426.25
E. BALTIMORE	WR3AFI	444.55	449.55
FREDERICK	W430HI	443.75	448.75
FREDERICK	WR3ABL	444.80	449.80
GAITHERSBURG	WR3AKP	443.60	448.60
GLEN BURNIE	W43MEJ	448.70	443.70
HAVRE DE GRACE	WR3ADH	448.10	443.10
JESSUP	WR3ADZ	449.10	444.10
LEXINGTON PARK	W43UMY	448.05	443.05
ODDENTON	W43GPC	449.50	444.50
SILVER SPRING	WR3ACK	444.00	449.00
SILVER SPRING	WB3ARZ	448.45	443.45
SUITLEND	WR3AEK	444.40	449.40
W. BALTIMORE	W44WLD	448.55	443.55

DELEWARE REPEATERS

DELMAR	WR3ABS	146.22	146.82
DOVER	WR3ILD	146.19	146.79
DOVER	WR3ABP	146.37	146.97
WILLSBORO	K3JL	147.675	147.075
NEWARK	WR3ACV	146.10	146.70
NEWARK	WR3AGQ	146.355	146.955
WILMINGTON	WR3ABA	146.13	146.73
WILMINGTON	W430LS	147.825	147.225
BLUEFIELD WILMINGTON	WR3AHR	52.70	53.70
NEWARK	WB3JVX	222.36	223.96
NEWARK	WB3JVX	223.36	224.96
WILMINGTON	WR3AFK	222.94	224.54
NEWCASTLE WILMINGTON	WB3JVX	448.05	443.05
	WR3AHD	448.00	443.00

Updated Index Ctsy: Gary Hendrickson, T-MARC

W. VIRGINIA REPEATERS

ALDERSON	WR8AKZ	146.13	146.73
BECKLEY	WR8AKZ	146.25	146.85
BECKLEY	WR8ACQ	146.34	146.94
BLUEFIELD	KBBHG	144.89	145.49
BLUEFIELD*	WR4AXS	146.16	146.76
BRIDGEPORT	WR8ALC	147.105	147.705
BUCKHANNON	WR8AEC	146.25	146.85
CHARLESTON	WR8AFA	146.22	146.82
CHARLESTON	WB8COV	146.28	146.88
CLARKSBURG	WB8ZVS	146.22	146.82
COTTAGEVILLE	WR8AKV	146.31	146.91
EAST RIVER MTN*	WR4AXS	146.16	146.76
ELKINS	WR8AOH	146.04	146.64
FAIRMONT	W4JW	146.31	146.91
HUNTINGTON	W8AFE	146.04	146.64
HUNTINGTON	WR8AGH	146.16	146.76
HUNTINGTON	KABKX	147.90	147.30
LOGAN	WB8ADD	146.37	146.97
MARTINSBURG	WB8VUZ	147.855	147.255
MCMECHEN	WBWUX	146.31	146.91
MORGANTOWN	WR8ABM	144.83	145.43
MORGANTOWN	WB8Y2T	146.085	147.955
MULLENS	WR8AKX	147.63	147.03
NEW MARTINSVILLE	WR8ABY	146.34	146.94
OAK HILL	WB8DOJ	146.19	146.79
PARKERSBURG	WR8ACJ	146.37	146.97
PARKERSBURG	WR8	147.96	147.36
PARSONS	WR8AGU	146.13	146.73
PENNSBORO	WR8	147.90	147.30
PRINCETON	WB8NRK	146.46	147.06
RAVENSWOOD	W48USO	146.07	146.67
RICHWOOD	K8VKB	146.34	146.94
SCOTT DEPOT	K8SLI	147.87	147.27
SPENCER	WB2HVN	146.01	146.61
ST ALBANS	WR8AJS	146.40	147.00
TERRA ALTA	WR8AEY	147.60	147.00
WEBSTER SPRINGS	WB8LWI	147.72	147.12
WEIRTON	WR8AQA	146.34	146.94
WELCH	N8ACQ	144.85	145.45
WHEELING	WR8AEW	146.16	146.76

*CVRA Full Member Repeater

Updated Index Ctsy: Steve Rice K8SR, W. Va.

To All Who Have
Joined and
Supported
The CVRA
In 1979

WE
THANK
YOU
VERY
MUCH!

POINT OF SALE CONTROL REJECTED

Point of Sale Control of Amateur Radio transmitting equipment was rejected again recently by the FCC. One of the two petitions which the Commission rejected recommended the Commission require equipment sellers to record details of each owner's license for latter FCC inspection, while another wanted to license dealers as well as requiring proof of purchase.

In its rejection of the petitions, the Commission noted that it has neither staff nor funds to enforce a record-keeping requirement and licensing dealers would also be expensive. It further stated that Docket 21117, the linear amplifier ban, had already addressed a part of the problem of misuse of Amateur gear and it was considering additional means of limiting such abuses. (From HR Report)

WARC '79 STARTING SLOW

We will not attempt in the Journal to give complete coverage of WARC '79 in future issues since such a mountain of information will be coming out of Geneva.

The conference as of the middle of October was running over a week behind as much political shuffling is going on. Unfortunately many small countries, as expected, are going to use their votes politically for personal gains in other areas. According to HR Report, of the Committees which have been assigned, Committee Five is the one we will be most interested in. They are assigned "Table of Allocations." It is known that over 10,728 proposals will be given to this committee alone. Early indications are that the conference is going to last a long time.

NORTH CAROLINA CLUB MEETING CALENDAR

Information Supplied by Clubs

ASHEVILLE - W. Caro. ARS, Bus. 1st Thu. 1900, Hlth. & Soc. Ser. Bldg., Dinner 2nd Mon. 1900 Hungry Bull
BENSON - Johnson ARS 3rd Thur. 1930 at 50-210 Fire Station
BURLINGTON - Alamance ARC 2nd & 4th Monday 1930, at 230 E. Summit Ave.
BURLINGTON - Alamance Repeater Assoc. Inc. Last Sat. 1900 at B & J Cafeteria
CARY - Cary ARC 4th Thur. 1930 at White Plains Methodist Church
CHARLOTTE - Mecklenburg ARS Last Tue. 1930-Red Cross Bldg on Park Rd.
CHARLOTTE - Charlotte ARC, 4th Thurs. 1900 - Club Building - WSOC-TV Tryon Street
CHARLOTTE - Friday Lunch Group Fri. 1200 - Mediterranean Rest. on Independence Blvd.
CONCORD - Cabarrus ARS, 3rd Mon., 1930, Kimball Memorial Lutheran Church, Aux. Bldg., Kannapolis
DURHAM - Durham FM Assoc. - 2nd Tue. 1800 - Picadilly Cafeteria, S. Sq. S.S.
DURHAM - Triangle Radio Alert Network - 3rd Thurs. 1800 Picadilly Cafeteria, S.Sq. S.S.
EDEN/REIDSVILLE - Rockingham County ARC 1st & 3rd Mon., 1900 Wentworth Courthouse
FAYETTEVILLE - Cape Fear ARS 3rd Mon. 1900 - Methodist College,
FRANKLIN - Franklin ARC, 2nd Thur. 1900 - Macon Savings & Loan Assn.
GASTONIA - Gaston Cty. ARS - 1st Mon. 1900 - Community room at Eastridge Mall
GREENVILLE - Brightleaf ARC - 2nd Tues. 2000 - Planters Nat. Bank, downtown.
GREENSBORO - Greensboro ARA, 4th Mon., 1830, Founders Hall, Guilford College
GREENSBORO - Greensboro RC Fri. 1930-Club House near Friendship Airport
GREENSBORO - Guilford ARS - 2nd Mon. 1830 - Different Restaurants. Ann. on Repeater
GREENSBORO - Ladies In Amateur Radio Soc. - 1900 - 2nd Tues., Mbrs. Home, 4th Tues., Apple House Cafe
HIGH POINT - High Point ARC - 2nd Tue. 1980 - Student Center, High Point College
HIGH POINT - High Point ARC Tue. 1930 - Old Mill Rd.
JACKSONVILLE - Onslow ARC 2nd Sat. 1000 - Howard Johnsons Restaurant
KANNAPOLIS - Cabarrus County ARS 3rd Mon. 1930, Activity Bldg., Kimball Memorial Lutheran Church
LAURINBURG - Scotland County ARS 1st Wed. - Cablevision Office
LEXINGTON - Healing Springs Mt. VHF Soc. Last Mon. 1930 - Burlington House Furniture Co., Personnel Office
LUMBERTON - Lumberton ARC, 3rd Thu. Robeson County Public Library at 1930
MORGANTON - Morganton ARC, 1st Mon., 1930, W. Piedmont Community College
NEW BERN - New Bern ARC, 3rd Thursday, 1930, Golden Corral Steak House
N. WILKESBORO - Foothills ARC - 1st Tue. 1930, Fairplains School, N. Wilkesboro
RALEIGH - Raleigh ARS - 1st Wed. 1930 - West Community Room, Crabtree Valley Mall
ROCKINGHAM - Rockingham ARC - 1st Thur - East Rock Fire Dept.
ROCKY MOUNT - Rocky Mount ARS, 3rd Thurs., 1900 Farmer's Restaurant in Sharpsburg
SALISBURY - Rowan ARS & 4th Mon. 2000-Salisbury City Hall, Main Street
SHELBY - Shelby Radio Club 2nd Mon. 1830 Hungry Bull Restaurant, Dutch Supper
SILVA - Smokey Mt. ARC, 2nd Tue. 1900 - Southwest Tech. Institute
STATESVILLE - Iredell City ARS - 2nd Thurs. 1900 - Hall of Justice, Water & Tradd Sts.
WILMINGTON - Wilmington VHF Assn., 2nd Tue. of Jan. and all odd months, at Caro. Savings & Loan; Even Months Social Meet at New Hanover Mem. Hosp. Ed. Bldg.
WINSTON-SALEM - Forsyth ARC - 2nd Mon. 1930, Red Cross Building

WR4AAA EXPIRES — BUT NOT TO BE FORGOTTEN

The Barber Junction Repeater Association, operating the Salisbury, N.C. repeater on 13-73 for years has had the distinction of holding the first "4" area repeater call ever issued. But no more, since the FCC stopped issuing and renewing repeater calls recently, WR4AAA is finally expiring.

The club has no intention of letting anyone forget, however, the last week of the calls validity, October 14 through October 25, at special times, the repeater was operated manually taking contacts from hundreds of Amateurs and sending out commemorative QSL cards in memory of WR4AAA.

The Barber Junction Repeater Association has operated 13-73 since 1973, and 223.16-224.76 since 1978. Now the repeaters will carry the club call of W4EXR/R.

In the closing days of October, the club issued the following proclamation throughout the State:

BE A GOOD NEWS TIPPER

Watch for interesting happenings in your club or area that might be of interest to CVRA JOURNAL readers and share it with us. Just send the facts, we'll write it up for you.

Proclamation honoring the service to the Piedmont area by WR4AAA on its expiration

WHEREAS the first special repeater call-sign issued in the fourth district was WR4AAA, and

WHEREAS WR4AAA has served the piedmont area with superb communications not only on 13-73 but also on 223.16/224.76 since 1973, and

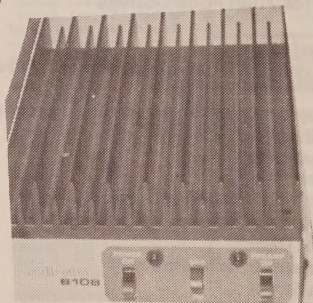
WHEREAS the authorization for continued use of those call-letters after its expiration on October 25, 1979 has been rescinded, as have all "WR" calls, and

WHEREAS no widespread recorded means exists to perpetuate the memory of this exemplary station, THEREFORE the officials of the Barber Junction Repeater Association with the concurrence of its members do hereby proclaim a period of recognition of the call letters WR4AAA. During the period from 1400 hours EDST, October 14, 1979 until midnight, October 25, 1979, WR4AAA will receive and transmit manually from time to time, and will operate for the purpose of contacting as many amateurs as possible who wish to contact the station during its final hours. A commemorative QSL card will be sent to all contactors who submit their card and a SASE. By this means, the memory of WR4AAA will be perpetuated by a visual reminder of this outstanding repeater.

(N4UH)Sept. 1, 1979)

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NANCY - KA4BQD

STEVE - KA4KNU

HOURS:

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8 AM - 12 PM SAT.

5

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- 2.5 NOISE FIGURE
- ADJ. SSB DELAY
- AUTOMATIC OR EXT. KEYING
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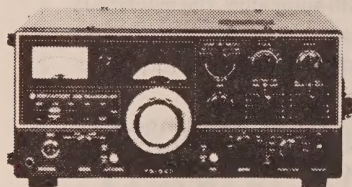


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WATTMETER**

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25-1000 MHZ

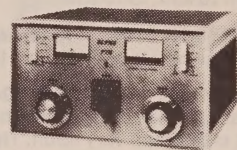
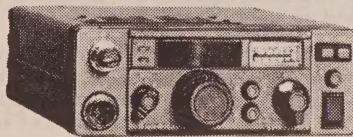
BOB NEMETH, WD4MKZ

318½ N. Main St., Salisbury, NC 28144
 Monday-Saturday 9 a.m.-6 p.m., Wed. 'til 9 p.m.
 PHONE 704-636-7959

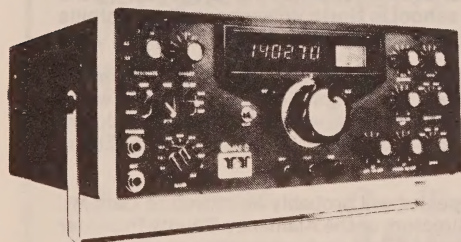


KENWOOD Transceiver TS-520S
 160 thru 10M "Surprise...call us!"

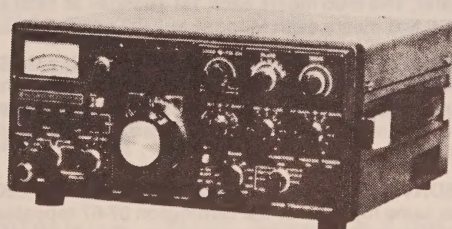
 **KENWOOD**



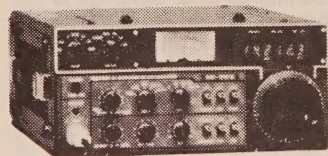
Alpha 77DX — One 8877 Tube



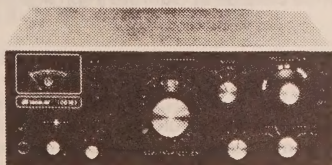
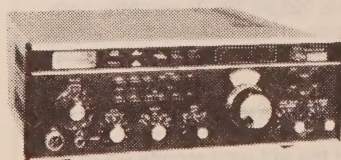
ICOM IC 701S, 160 thru 10M



Alpha 76A
 — Two 8874 tubes Hipersil Xfmr.



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VALDESE . . . An amateur Television repeater (fast scan) is planned for Valdese, by K4RP, W4YUI and WB4TEA. The repeater will operate on 439.250-427.250. The machine will be located on Mineral Springs Mountain at Valdese.

RALEIGH-CARY . . . A new two-meter RTTY repeater is planned for the Raleigh-Cary area. The machine coordinated on the sub-band will operate on 144.75-145.35. Howard Cochran W4PPN is building the machine.

MONROE . . . The WR4BAN 705-105 repeater has been moved from Marion to Monroe, operating on the same frequency. Bill Poole, K4JCK said the machine is operating well after the move with autopatch. The machine is on 10 a.m. to 10 p.m.

BRYSON CITY . . . Al Watson, K4BBF is making plans for a new repeater for Bryson City, (Western North Carolina) and has coordinated the sub-band frequency of 144.71-145.31.

LOCUST . . . The 222.40-224.00 repeater has been moved from the home of Dexter McIntyre, WA4ZIA to a water tank in Locust. Dex said the machine is experiencing a noise source at the new location, but they expect to get it cleared up very soon. This new location should give mobile coverage into Charlotte and surrounding areas. (Dex, WA4ZIA)

NORTH WILKESBORO . . . Danny Walker, N4BEX is planning a "Super Repeater" for the North Wilkesboro area. The sub-band of 144.77-145.37 has been coordinated by the CVRA. Preliminary tests show coverage might be well in Virginia, almost all of Western N. C. and Northern S. C. The Foothills ARC is sponsoring the repeater. The club meets each 1st Tuesday at 1930 at the Fairplains school in North Wilkesboro. The Foothills RACES Net meets each Monday at 2100 on the 22-82 Rearing Gap repeater. (N4BEX, WA4BVW)

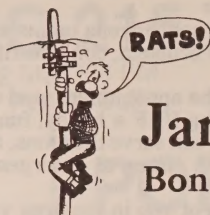
GREENSBORO . . . Once it was PARS, now it's GAS as a new family type radio club flourishes in the Greensboro area. The Guilford Amateur Society meets each month at a different restaurant. Both husbands and wives are included in membership. The group plans various activities during the year which include the children. There are presently 60 family memberships in the club which meets 2nd Monday night of each month. (Elaine WD4IPZ)

GIBSONVILLE . . . The 223.22-224.82 Gibsonville 220 RTTY/Voice repeater will probably be moved to Cain Mt. at the same location as the Burlington 07-67 repeater. The board of directors of the Alamance County Repeater Assn. has voted and approved the move in September. Presently, after several years of inactive construction, Danny WA4YGD installed the machine at his home, to get activity going in the Burlington area. Coverage is fair, but he had been looking for a better location for almost a year. No date has been set for the move. When the move is made, there is a possibility of linking with the 705-105 RTTY repeater on Johnson Mt. in Central Virginia. (K4KIP, WB4JBj)

GREENSBORO . . . Bill Lundy, KB4IZ, Emergency Coordinator for Guilford County has set up a 2-meter station at the NOAA weather bureau at the Regional airport. He has worked up a plan with the weather bureau to organize a weather net to assist in the 162.40 mhz. weather station covering a 16 county area in Piedmont North Carolina. Lundy has written EC's of the 16 counties asking for their assistance in getting personnel available to participate in the net and prepare for weather related emergencies. Dick Colwell of the National Weather Service was so impressed with Amateur Radio after demonstrations of the groups ability to communicate, he immediately enrolled in Novice classes at Guilford Tech and will soon be a ham himself. (K4MOB, Wayne)

DURHAM . . . The Durham FM Association has assumed ownership of the 222.34-223.94 repeater in Hillsborough. The machine formerly owned by Herman Cone, WB4DBB was one of the first 220 repeaters on the air on the East Coast. Herman recently moved to Lynchburg, Va. where he took his 223.34-224.94 machine with him to put on the air up there. The DFMA said they would continue full operation of the 220 machine, along with their 825-225 repeater located at the same site. Both machines have extensive mobile coverage East and West along I-85. (WA4WTX, Charlie)

SAURATOWN MT. . . . The Sauratown Mt. 220 repeater on 223.28-224.88 just north of Winston-Salem continues uninterrupted service. No lighting strikes this Summer on the 2300 foot site. A heavy storm did uproot a large tree which fell over one of the guywires for the tower, but the tower withstood the jolt until repairs could be made. (K4MOB, Wayne)



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WB4JBJ APPOINTED ASST. DIRECTOR VIRGINIA — INTRODUCES SELF

by Larry Lewis, WB4JBJ

In September, I accepted the appointment of assistant-Director to Carter Cogle, K4ARO for the Central Virginia area. For those around the area who do not know me, here is a little background information about how I came to be into VHF, etc.

I have been happily married "to the same XYL," Susan for seven years, and our first child is expected in March.

I got my novice ticket in my Junior year in High School, in 1967, even before I got my driving permit. My General license came a few months later. I still am a General and work at Babcock and Wilcox, commercial Nuclear fuel plant in quality control, final inspection.

I have been on the VHF frequencies since February 1969, when I was a control station for the original Lynchburg repeater on 146.34-146.94. In 1970 I got into RTTY on 20 meters and then on 146.22 simplex locally. My first repeater was a 147.42 in, any frequency out. I was also involved in helping with numerous others over the years.

Presently I am trustee, co-builder, etc. of the RTTYVoice 705-105 repeater in Central Virginia.

AMATEUR RADIO AND THE LITTLE MOUNTAIN REUNION

The Little Mountain Reunion is one of South Carolina's original folk festivals having begun in 1882. The Reunion which now carries the name of the Town originally was one of several Newberry College Reunions held throughout South Carolina. Eventually this annual get-together, which was always held on the first Friday of each August evolved into a celebration which attracted people from all parts of the State. An average of 10,000 people have enjoyed the Reunion over each of the last three years.

Little Mt. is also home of the 81-21 amateur repeater. Local Amateurs at the site put on a demonstration of Amateur Radio. Eight hams from Newberry met and decided instead of having field day, to set up the demonstration during the reunion.

Activities included info on how to become a Ham, a CW demonstration, a 2-meter set up and HF set-ups on 10, 15 and 75 meters. A special event QSL card was made for the occasion and sent to each amateur contact with the Little Mt. station. (Dave, KA4ETY)

CVRA DECALS

Have you ordered your CVRA Decal yet? Send 25 cents for each decal desired, with a S.A.S.E. to: CVRA JOURNAL DECAL, Route 1, Box 806, Colfax, N. C. 27235.

If there is any way I can help anyone in this area with a frequency or related problem, don't hesitate to call me.

I am really honored by the appointment, and will try to do my best in keeping VHF a happy, fun-to-use set of frequencies, that can serve the hams, and the public if necessary, in times of emergency, efficiently.

Hope I get to know each of you in the area very soon. Don't hesitate to call if I can be of help in any way through the CVRA. (Ed. Note: Larry's name and address appears on the back cover of the Journal under Virginia.)

1980 MEMBERSHIP GOALS

Continued From Page 1

controversy. United, an organization has more power when it speaks and more people listen. (2) We can continue to keep our area of the country relatively free from harmful interference, especially when we compare with some other areas. (3) More members mean more money available to supply additional publication, communications to you, better budgets for Directors and Officers who in turn can do a better job.

For these reasons and many more, we must continue growth in the CVRA. We have over 13,000 Amateurs in North and South Carolina and Virginia. Obviously many of this number doesn't even represent VHF and UHF, but to those who do, a majority of them should support the CVRA.

Our organization has grown more in the past 18 months than it did in the past 6 years. We must continue this growth. More Amateur population on the VHF bands means more repeaters. With more repeaters coming and no more frequencies to put them on, someone has to do the job of coordinating and communicating. The CVRA does this well!

So, we ask for your help. Talk to your club, get EVERYONE to join. Talk to your other friends, tell them about the CVRA, get them to join. As you travel, talk up the CVRA. Make everyone, everywhere in all three states aware that there IS an organization dedicated to communications and coordination. (Yes there are people around who haven't heard of the CVRA, as amazing as it may seem.)

So set your goal for 1980 . . . everyone get at least ONE new member a month. If you don't have an application, just get the information on a card and send it to the address on the back of the Journal, along with the membership fee. Tell them about the Journal, after all, where else can you get Club Calendars, Net Registers, and the most updated repeater index anywhere for 75 cents a quarter, and at the same time support a very worthwhile organization.

Wayne C. Williams, Editor

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GREENEVILLE... By the time you read this, the Greenville 10-70 2-meter and 223.34-224.94 220 mhz. repeaters should be back on the air after a move to another site, a short distance from the original location on Viking Mt. A government lease was not renewed, resulting in both machines having to be moved to another site. A private location now houses the repeaters. The 220 mhz. machine has caused quite a stir and flurry of activity since it came on in late Summer. Coverage of the machine is considered outstanding.

GREENEVILLE . . . The 66-06 W4LYF repeater has been working well now for several months with its new autopatch. The repeater is owned and maintained by Oscar, W4LYF. Sometimes some good "DX" is heard through this machine.

JONESBORO . . . The WB4SQC 99-39 Jonesboro repeater had its tower "grow" recently from 40 to 70 feet. This repeater is at a very enviable amateur radio location at Benny's (WB4SQC) house. Benny also has a TH6-DXX tribander on the tower (watch out DX!) On a clear night one can see the lights on Holston Mt. from Benny's back yard. He reports a new commercial duplexer is working well, and autopatch will soon be added as well as a new VHF Engineering receiver. WB4SQC/R is a full CVRA member.

JOHNSON CITY . . . The autopatch will be restored soon on the 87-27 machine. A complete new radio control system is just about ready to be installed to insure full compliance with FCC regulations. The repeater escaped serious damage due to vandalism recently. Several commercial repeaters sharing the same location were severely damaged due to persons unknown, but the 87-27 machine remained intact except for several AC and telephone cables being ripped out. This was probably due to the fact that the building is VERY secure. Which brings about the question: "How secure is your repeater building??"

JONESBORO & KNOXVILLE . . . The Jonesboro 99-39 machine and the Knoxville 144.51-145.11 repeaters have become the 5th and 6th Tennessee repeaters to voluntarily join the CVRA as full members. Welcome aboard WB4SQC/R Jonesboro, and WB4JSD, Knoxville, (Editor)

NOTES FROM K4SE . . . Most of the past Tennessee information in the CVRA Journal we have reported has been about repeaters and activities in EAST Tennessee. But now we want to know about what is going on in the rest of the State. How are VHF activities in Dyersburg or Oneida. What's going on in Memphis or Nashville. What are the VHF hams doing in Waverly, or in Ooltewah? C'mon Tennessee hams, share your information with us! Get your repeater information and news in print in the Tennessee news section of the Journal. Send it to Tennessee Editor: Bob May, K4SE, P. O. Box 30, Jonesboro, Tn. 37659. We want to know what is going on and share your news with our other CVRA ham friends!

EAST TENNESSEE DXers are using 146.46 simplex as a "watering hole" for DXers. "Hot Tips" can be had for the listening from time to time. Everyone is reminded to be careful when transmitting on 146.46 and use no more power than necessary to prevent keying up any repeaters around that are on the 46-06 pair.

THE CVRA JOURNAL SALUTES the six Tennessee repeater groups who have voluntarily joined our ranks as full member repeaters. These people set a shining example of their leadership and desire to help our organization remain strong throughout the area. These border (N.C.-Tenn) repeater owners know the importance of the CVRA in maintaining coordination with their state to prevent harmful interference to their frequencies. Our hat is off to you, our friends: JOHNSON CITY, WA4DIU/R; JOHNSON CITY WR4AIP; KNOXVILLE, WR4APU; KNOXVILLE, WB4JSD/R; JONESBORO, WB4SQC/R and GREENEVILLE, WB4NKM/R Five 2-meter and one twenty mhz repeaters. (K4MOB, Editor)

SOUTH CAROLINA DISTRICT NEWS ITEMS
Jack Watson, W4YPD, Director

LEXINGTON . . . The 147.255-146.835 repeater (formerly listed as Columbia) in Lexington is quite active. The WR4AGK machine is operated in emergencies under the RACES call of WC4AAY. The machine is located in the County building in Lexington County and Terry Richardson is custodian of the repeater. (Bob, K4FRX)

MYRTLE BEACH . . . Beach goers were without the services of the Myrtle Beach 01-61 repeater for a couple weeks in August while the machine was relocated. Jack Wood, WA4KGN is trustee and said he wished to apologize to amateurs traveling through the area at the inconvenience when the machine was down. He said the move should improve coverage in the area. (Jack, WA4KGN)

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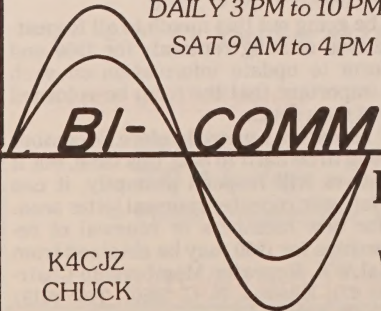
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TEKNIKLE TOPIX

by Watson Gabriel, Jr. WB4EXW

Let us depart slightly from the norm and discuss a problem which I would categorize under "responding to emergencies". All of us should know that part of the justification for amateur radio is the fact that we are able and willing to respond to emergencies and supply message handling as needed in emergency situations. Both the Amateur Radio Emergency Service (ARES) and the Radio Amateur Civil Emergency Service (RACES) were formed as an effort to organize and train amateurs in responding to emergencies. These groups advocate the full-time monitoring of emergency channels; for example, a local group may monitor a particular repeater.

There are basically three problems that rise in this situation. The first is that some persons may get tired of listening to the normal chit-chat that occurs on the monitoring frequency so he may have his audio turned way down or even have the receiver turned off. The second problem is that no one may be monitoring during the late-night or early morning hours. In an effort to circumvent the first and second problems, some groups have added Touch-Tone decoder systems to their receivers so that they can be silent until someone in an emergency beeps out the local emergency code on his TT pad. The audio of the monitor receiver is then enabled so that the emergency traffic can be heard. Additionally an external alarm could be sounded to wake one up during the night. This brings us to the third problem—there is no standardization of the tones used by various emergency groups. The "emergency alert" sequence used by one group may be entirely different from that used in another locale thus making it difficult or confusing at best for traveling amateurs. The situation is just as bad if one emergency group needs to alert another in a nearby city.

Phil Wicker, W4ACY, who is the Roanoke Division Director of the ARRL has sent the CVRA some recent correspondence concerning the adoption of standards for emergency tone alert systems. The Wisconsin Valley Radio Association has proposed a STANDARD TONE ALERT SYSTEM. Several repeater associations in Wisconsin have endorsed the system in an effort to popularize it.

In this system lower level emergencies would be characterized by a five-second transmission of Touch-Tone digit "zero". Types of emergencies that fall into this category are car failures, auto accidents, and general weather nets. Generally put, this covers situations where life or property may be affected.

Higher levels of emergency would be signified by the ARES Emergency Tone—a five-second trans-

mission of a 1050 Hz tone. NOAA weather stations use this same tone to unmute receivers during severe weather alerts. Severe thunderstorms, floods, tornadoes, and Civil Defense alerts are examples of high-level emergencies. The ARES Emergency Tone should be used only under the direction of an ARES Coordinator or other official who would call the area ARES into a state of readiness.

A tone decoder to be used in this system would not be too complex to build. Franklin Jaeger, WA9SQN, reports that decoders are being put into use on several repeaters in Wisconsin. Also a kit of parts or article in QST may be offered soon.

We feel that the CVRA should support the efforts of the Wisconsin Valley Radio Association in establishing a STANDARD TONE ALERT SYSTEM. ARES coordinators, repeater owners, and members of the ARES, repeater groups and CVRA should express their viewpoints to Phil Wicker, W4ACY. Then Phil can relay this information to the ARRL. Discuss this proposal at your next club meeting. You might want to adopt this system.

REPEATER MEMBERSHIP

by Bill Page, WB4LWX

With the switch back to Standard Time, it's a reminder that the year is drawing to a close. As of October 1st, there were 128 Repeater Memberships in CVRA, two less than this same date a year ago. As is the case every year, there are a few members who fade off into the ether and we don't hear from.

Eight repeaters who were members in 1978 in SC did not renew in '78. Seven in VA and 19 in NC did not renew. No doubt some became inactive and probably the elimination of WR call signs may have had some effect. But still it's been a good year for repeater membership renewals.

A quick look at the directory in the centerfold will tell you whether your home repeater's membership is current. If there's an "N" after the listing, it is a non-member for 1979.

Letters will be going out this month to all Repeater Representatives seeking renewals for 1980 and enclosing a form to update information on each repeater. It's important that the form be returned along with the \$8 dues check.

Last year 67 repeaters renewed before December 31st. That's going to be hard to beat this time, but if all Representatives will respond promptly, it can be done. Look for your repeater renewal letter soon. Applications for new members or renewal of repeater memberships for 1980 may be obtained from Bill Page, WB4LWX, Repeater Membership Chairman, P. O. Box 871, Kinston, N. C. 28501. Tel: (919) 523-1718 Res. or 523-1718 Bus.

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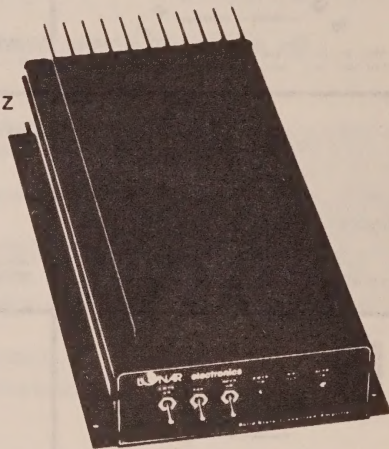
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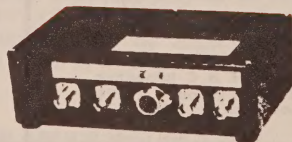
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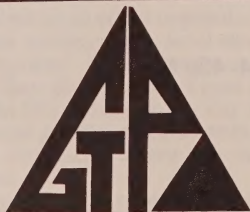
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FCC EXAMINATION SCHEDULE

FIFTH DISTRICT

FIELD EXAMINATION POINTS

CHARLOTTE, N.C. Jan. 9, 10 and July 9, 10
SALEM, VA. Mar. 5, 6 and Sept. 3, 4
WILMINGTON, N.C. May 7, 8 and Nov. 5, 6
WINSTON-SALEM, N.C. Feb. 6, 7; Apr. 2, 3;
June 4, 5; Aug. 6, 7; Oct. 1, 2 and Dec. 3, 4

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JOURNAL POLICY FOR LISTINGS

Occasionally we are asked by clubs outside CVRA territory to list their club meeting, or net in the Club Calendar and Net Register section. We must decline the request.

The policy of the CVRA Journal is to list club meetings and nets in our Club Calendar and Net Register section on a permanent basis only if the club or group lies within the CVRA district boundaries.

The same holds true for repeater listings. As a public service, we automatically list non-member repeaters in the 3 districts of Virginia, North Carolina and South Carolina. When you see other state repeaters in this main listing, it is because they have joined the CVRA as a full member repeater and earn the right to be listed, even though they are not within an official CVRA district. This is the ONLY condition that we list out of district repeaters in the main CVRA repeater index. Of course we generally run secondary listings of neighboring states almost every issue, as a public service to our readers.

The only way we can list an out of CVRA district repeater in our main listing, is for that repeater to join the CVRA as a full member repeater. (the Editor)

SIXTH DISTRICT

FIELD EXAMINATION POINTS

ALBANY, GA Jan. 18, Aug. 1.
BIRMINGHAM, Ala. Feb. 22, Aug. 29.
MONTGOMERY, Ala. May 23, Nov. 14
CHATTANOOGA, Tenn. May 30, Nov. 28
KNOXVILLE, Tenn. Mar. 28, Jun 27 & Oct. 3
MEMPHIS, Tenn. Feb. 29, May 30, Aug. 29
& Nov. 28
NASHVILLE, Tenn. Apr. 18, July 25 & Oct. 17
COLUMBIA, S.C. May 2, and Nov. 7

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Persons wishing to take examinations at the designated cities within the fifth or sixth district, should send a completed 610 form to either the Norfolk or Atlanta office (depending which district they are taking exam). At least two weeks prior to the examination date. The FCC will notify the applicant by mail as to date, time and place, and include a pass to admit person into examination room. All exams are by appointment only, you must bring your pass to get in.

VIRGINIA CLUB MEETING CALENDAR

Information Supplied by Clubs

ALBERTA - Southern Piedmont ARC - 3rd Thursday, 1900, Southside Va. Community College
BLUEFIELD - East River RC, 1st & 3rd Monday, 2930 at Commercial Bank, Bluefield
CHARLOTTESVILLE - Albemarle ARC, 2nd Wed., 1930 at City Courthouse on 4th Street NE
CHARLOTTESVILLE - University of Virginia ARC, every other Thurs., 2930, Thornton Hall
COVINGTON - VHF Communications Assn. - 2nd Wed., 1930 at different Members homes
DANVILLE - Danville ARS, 1st & 3rd Friday, 1930, Danville Community College
FARMVILLE - Southside ARS, 1st Thursday, 1930, Hampton-Sydney College, Farmville
GALAX - Briarpatch ARC, 1900, Galax Recreation Center
HAMPTON - Southern Peninsula AR Klub (SPARK) 1st, 3rd Wednesday, 1930, VEPCO Building
LYNCHBURG - ARC, 2nd Friday, 2000, Virginia Baptist Hospital Auditorium
MARTINSVILLE - Patrick Henry ARA, 3rd Tues., 1930, 1st National Bank of Martinsville and Henry County
NEWPORT NEWS - SPARK 1st & 3rd Wednesday, 1930 at VEPCO Building in Hampton
NORFOLK - Hampton Reads Radio Assn., 2nd Thursday, 2000, Larchmont Library, Hampton Blvd.
NORFOLK - Tidewater ARC, 2nd & 4th Saturday, 1000, Fort Norfolk, Hampton Blvd.
PETERSBURG - Crater ARS, 4th Wednesday, 1930, John Tyler Community College
PORTSMOUTH - Portsmouth ARC, 2nd and 4th Thursdays, 432 Broad Street, Portsmouth
RICHMOND - (RATS) 1st and 3rd Fridays, 1930, at the Stone House in Forrest Hill Park
RICHMOND - ARC, 2nd Friday, 2000, at the Stone House in Forrest Hill Park
ROANOKE - Roanoke Valley ARC, 2nd and 4th Friday, 2000, Colonial Ave. Presbyterian Church
VIRGINIA BEACH - ARC, 1st Thursday, 1900, at Virginia Beach Recreation Center
WINCHESTER - Shenandoah Valley ARC, 1st and 3rd Fridays, 2000, Club Building on Grace Street

SOUTH CAROLINA CLUB MEETING CALENDAR

Information Supplied by clubs

ANDERSON - RC, 4th Thurs. 1930, Anderson Cty. Arts Bldg. - Lunch Break Fri. Noon, Quency's Steak House
CHARLESTON - Holiday VHF Soc. 2nd Wed. 2930 - Pinehaven Shopping Center Meeting Room
CHARLESTON - Charleston ARS, Inc. - Home Federal Meeting Room, Ashley Plaza S.S.
CHARLESTON - Trident ARC, 3rd Wed. 1930 - Park Cir. Presy. Church.
CHERAW - Chesterfield Cty. ARS - 3rd Tue. 1900 - Chesterfield Technical Inst.
CLEMSON - Clemson Univ. ARC - (During School Year - Posted prior to meeting)
COLUMBIA - Columbia ARC - 1st Mon. 1930 - S.C. Electric and Gas Building
DILLON - Dillon Cty. ARC, Each Mon. Informal, 2nd Mon., Formal, 1900, Lion's Club Bldg. Washington St.
FLORENCE - Florence ARC, Shoneys, 1st Tues. 1930
FLORENCE - Florence FM Repeater Assn. 3rd Mon. 1930 Florence Darlington Technical Center
GREER - Greer ARC 1st Mon. 1930 Meeting Location announced monthly,
GREENVILLE - Blue Ridge ARS 1st Tue. 1930 Red Cross Building 3rd Tues. Dinner.
GREENVILLE - The Dutch Lunch Club - Mond. S & S Cafeteria at 1245.
GREENWOOD - Piedmont Tec ARC, 1st Mon. 1930 at Piedmont Tec.
KEEOOWEE - Keewawee, Toxaway ARC, 3rd Tues. at Keewawee Toxaway Vistors Center
LANCASTER - Lancaster Cty. ARC, 3rd Thurs. 1930, at Standard S & L. Hwy 9 bypass.
LAURENS - Caro. Computer and ARA, 1930, 2nd Fri. Gen. Meet; 4th Fri Digit. workshop
ORANGEBURG - Orangeburg ARC - 3rd Thurs. 1930 - Elks Club Hwy 301 N & 601 N
SUMTER - Sumter Repeater Assn. 3rd Mon. 2000 City/County Office Building Conference Room
WALTERBORO - Coastal Amateur Radio Assn. 2nd Sat. 1900, meeting announced on 31/91 net.

MORE NORTH CAROLINA NEWS ITEMS

GOLDSBORO . . . The Seven Springs repeater on 25-85 has been moved to Goldsboro where the Wayne County ARA has taken over as repeater sponsor. The machine is located on the WFCM tower, one mile SW of Goldsboro on U.S. 117. The repeater now operates under the call of K4CYP/R. Equipment is the same that was located in Seven Springs. (W4TUQ, Herman)

DUNN . . . WB4FXM, Jerry Hickok, and a group of Amateurs from Dunn plan to put a repeater on the air possibly by this month. The machine will operate on 10-70. More news later on this repeater. (Ken, WA4BVW)

HIGH POINT . . . The High Point ARC has their repeater on the air in the evenings for testing purposes. The machine, operating on 265-865 is due to be installed at its permanent location at the Elm Towers in High Point at any time. The repeater call is WA4ZXA/R. (Wes, WD4EMX)

calendar of coming events

The CVRA Journal will be glad to publish Events in your area taking place which are of interest to the entire area. Send information to CVRA Editor 1 month prior to Journal Publication date.

The following Hamfest dates have been supplied by clubs and by Phil Wicker, ARRL Roanoke Director. Tentative dates are marked with an asterisk.

1980 HAMFEST CALENDAR

JANUARY

13 RICHMOND FROSTFEST III (VA.)

FEBRUARY

24 Briarpatch ARS - ELKIN, N.C.

MARCH

22-23 Metrolina - CHARLOTTE, N.C.

APRIL

6* COLUMBIA, S.C.

18-19 AWA Regional - CHARLESTON, S.C.

20 RALEIGH, N.C.

MAY

1 GREENVILLE, S.C.

17-18 DURHAM, N.C.

24-25* GASTONIA, N.C.

JUNE

1 MANASSAS, VA.

JULY

5-6 W. Va. State ARRL-JACKSON MILL, W.VA.

25-27 Nat'l ARRL-SEATTLE, WASH.

AUGUST

3 WINCHESTER, VA.

17 BRISTOL, TENN.

24 BLUEFIELD, W.VA.

30-31* SHELBY, N.C.

31* MORGANTOWN, W.VA.

OCTOBER

5* ROCK HILL, S.C.

Individual clubs sponsoring hamfests for 1980 should send their confirmed dates prior to January 1, 1980, April 1, and July 1, for future listings in the CVRA Journals for February, May and August.

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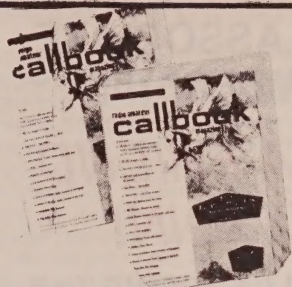
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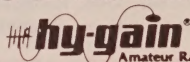
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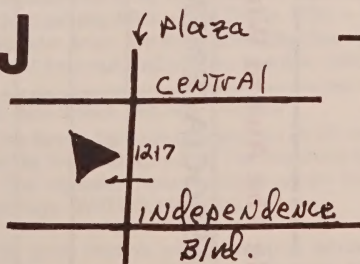
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TERRIFIC SWAP AD SHEETS! Ham, antique radios; nostalgic entertainment, collectables! Nationwide since 1971. 10¢ a word. Subscribe, 24 issues-\$7.50, get one ad free. Sample next 5 issues - \$2.00. "ELECTRONICS TRADER" Box 73-RJ, Folly Beach, S.C. 29439.

QST — 1947-1979 — \$35.00 (7 issues missing) Superior Powerstat, Primary 95/135 V. Secondary 115 V. 52 amps, 6 KVA. Good Condition, \$45.00 Pick up Only. W4RRK, Don Coeyman, Greensboro (919) 299-9178.

AUTOPATCH FOR SALE — This Datasignal RAP-200 purchased for a business repeater, installed and tested . . . but never used. Cost was \$249.00, price is \$200 plus shipping. Call Terry, WA4RJN at (704) 295-3848.

SIX METER LINEAR WANTED — Tube or solid-state, commercial, homebrew, or what have you? Looking for old Gonset, P & H, etc.; Something capable of 200-plus watts output with 25 watts drive. PHIL WILSON, WA4MCP, Rt. 1, Box 187B, Blue Ridge, Virginia 24064.

TOUCHTONE PADS — CES-300 acoustically coupled or wired. Complete and ready to operate. Purchased for business autopatch. Compact! New! Cost \$49.00, now \$39.00 ea. plus shipping. No installation necessary. (704) 295-3848, ask for Terry.

CRYSTAL ORDERS can be placed 24-hours a day, 7 days a week on our new Record-An-Order system. Shipping next morning when in stock. WILLIAMS RADIO — See our ad.

WILSON HH4OOC — 4 Channel Business Band walkie-talkie demonstrator w/tone encoder/decoder, holster, charger, on 155.28 mhz. (N.C. State Rescue). Any Tone code. \$575.00 Like New. Call Terry at (704) 295-3848.

BRIARPATCH WINTERFEST SKED IN FEBRUARY AT ELKIN

The Briarpatch ARC is presenting their second annual Winterfest at the National Guard Armory at Elkin, N.C. on Sunday, February 24.

The club which moved their Hamfest from Hillsville to Elkin last year, had a continuing successful hamfest, but with larger quarters. Breakfast and lunch will be available on the premises. Doors will open at 8 a.m. with drawing at 3:30 p.m. Talk-in will be on 69-09.

REMOTE BASE ORGANIZATION

The Atlantic Region Repeater Legion recently announced the formation of the East coast Remote Base Association, organized primarily to promote and support current remote base technology and activity along the eastern seaboard.

Persons interested in more information might write: East Coast Remote Base Association, c/o Barry Siegfried, K2MF, 333 W. 57th St., Suite 306, New York, N.Y. 10019.

CVRA DECALS are available for 25-cents and a S.A.S.E. See ad this issue. Order as many as you like for 25¢ each from: CVRA DECAL, Route 1, Box 806, Colfax, N.C. 27235.

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MEMORIAL AWARD PLAQUE

by Bob McCormick, K4FRX

The Columbia Amateur Radio Club has established a plaque to be awarded annually in memory of William Wall, WA4WND. Bill, who became a silent key on June 21st, was a very active, well liked, long time, enthusiastic member of the Columbia club.

He traveled the State extensively as the representative of a paint manufacturer and there are few repeaters that haven't heard WA4WND at one time or another.

The plaque will be awarded to the club member who is chosen as the years outstanding ham for service to his fellow man.

DAFFYNITIONS

Juvenile Insecurity—Malady affecting some who cannot control an impulse to key the repeater in order to determine that his transmitter is still working, or that the repeater is still there....or both.

IMPORTANT NOTE!

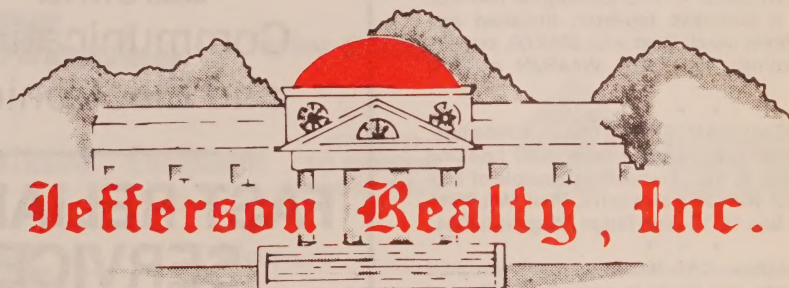
The CVRA Associate Membership Chairman, Larry McLaurin reports about seven applications of person have been lost. All 7 of the applications were taken at the Rock Hill (S.C.) Hamfest. Persons who signed an application at Rock Hill on Oct. 7th are asked to please contact Larry.

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AD AND NEWS DEADLINES

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NOVEMBER ISSUE	OCT. 1



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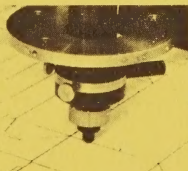


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